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Separate paging is given to this Part in order that it may be filed as a separate compilation

PART III—SECTION I

Notifications issued by the High Courts, the Comptroller and Auditor General, the Union Public Service Commission, the Indian Government Railways and by Attached and Subordinate Offices of the Government of India

MINISTRY OF HOME AFFAIRS Intelligence Bureau CORRIGENDUM

New Delhi-11, the 11th April 1963

No. 8/SIB(CI)/63(37)—In notification No. 8/SIB(CI)/63 (37) dated 8th April 1963 read Deputy Central Intelligence Officer Calcutta for Deputy Central Intelligence Bureau Calcutta.

N. K. RAY
Deputy Director
for Director

Special Police Establishment NOTIFICATION

New Delhi 11, the 11th April 1963

No. 11/5(11)/63-Estt.—The Inspector General of Police, SPE, hereby appoints Sri G. N. Brahma, offg. Dy. Supdt. of Police, of Orissa State Police, on deputation to S.P.E., as Dy. Supdt. of Police, in a temporary capacity w.e.f. 1st April 1963, forenoon, until further orders.

HARISH CHANDRA
Administrative Officer
for Inspector General of Police, SPE

OFFICE OF THE COMPTROLLER AND AUDITOR GENERAL OF INDIA

Indian Audit and Accounts Department
Promotion and Appointment

NOTIFICATIONS

New Delhi, the 18th April 1963

No. 1027-GEI/J-6/Pt.III.—Shri K. C. Jain, Chief Auditor, North East Frontier Railway, Pandu, was granted earned leave for 23 days from the 8th of February 1963 to the 2nd of March 1963 with permission to affix Sunday on the 3rd of March 1963 to the leave.

On return from leave, the officer was reposted as the Chief Auditor, North East Frontier Railway, Pandu with effect from the forenoon of the 4th of March 1963.

No. 1059-GEI/M-40/Pt.II.—In supersession of this office notification No. 772-GEI/M-40/Pt.II dated 21st February 1963, it is notified that the services of Shri Harbans Singh Mac, IA&AS were placed at the disposal of the Government of India, Ministry of Food & Agriculture with effect from the afternoon of the 4th February, 1963 for appointment as Additional Director and later as Director in the Department of Food at New Delhi.

No. 1061-GEI/S-95/PF.—Shri D. Subramony Iyer, IA&AS has been posted as Deputy Accountant General

(TAD) in the Office of the Accountant General, West Bengal, Calcutta with effect from the 5th March 1963

No. 1075-GEI/M-25/PF(III)—The Comptroller & Auditor General of India is pleased to promote Shri C. R. Mukherjee, IA&AS to officiate in the Junior Administrative Grade of the IA&AS with effect from the 7th March 1963 until further orders.

He has been posted as Senior Deputy Accountant General (TAD) in the office of the Accountant General, Uttar Pradesh, Allahabad with effect from the same date.

No. 1077-GEI/B-45/PF.—On transfer from the Office of the Accountant General, Mysore Bangalore, Shri M. V. Bhatt has been posted as the Deputy Chief Auditor, North East Frontier Railway, Kurseong, with effect from the 11th of February 1963 (forenoon).

No. 1091-GEI/K-21/Pt.IV.—On return from leave, Shri Y. Krishan, IA&AS has been reposted as the Accountant General, Punjab, Simla with effect from the forenoon of the 4th of March 1963.

Shri S. M. Maitra, Senior Deputy Accountant General in the Office of the Accountant General, Punjab, Simla has accordingly ceased to officiate in the Accountant General's Grade II with effect from the said date.

No. 1107-GEI/G-32/PF.—Shri K. R. Gupta, IA&AS was appointed to officiate in the Junior Administrative Grade of the IA&AS during the period from the afternoon of the 25th January, 1963 to the forenoon of the 7th March 1963 as a purely temporary measure and without prejudice to the claims of his seniors. During this period the officer was appointed to hold the current charge of the duties of the post of Senior Deputy Accountant General, Gujarat, Rajkot Branch in addition to his own duties as Deputy Accountant General in the Office of the Senior Deputy Accountant General, Gujarat, Rajkot Branch.

M. S. BHATNAGAR
Deputy Comptroller and Auditor General of India

MINISTRY OF DEFENCE Defence Production Organisation Inspectorate of Armaments

NOTIFICATIONS

Poona-3, the 30th March 1963

No. IA/Estt(L)/6609—Shri Mishri Lal Ojha, Temporary Assistant Inspector, Inspectorate of Armaments, Kirkee, is granted earned leave for 24 days, 7 February 1963.

M JAYARAMAN
Lt Col
Inspector of Armaments

Defence Science Service*Calcutta, the 11th April 1963*

No. P-11/76—Shri Duvvuri Suryanarayana Murty, M.Sc., FIM, Inspector of Armaments, Inspectorate of Armaments, Ishapore, 47 days Earned Leave 4 Apr 63 and 133 days half pay leave 21 May 63 pending retirement from service on 1 Oct 63 on attaining the age of 55 years.

NP MANAKTALA*Major**Offg. Inspector of Armaments**Dehra Dun, the 9th April 1963*

No. G/107/3/Est.—Shri M. Satyanarayana, Temporary Senior Scientific Officer Grade II, Instruments Research & Development Establishment, Dehra Dun, granted Earned Leave for 8 days from 18-2-63.

Shri A. K. Chattopadhyay, Temporary Senior Scientific Officer Grade II, Instruments Research & Development Establishment, Dehra Dun, granted Earned Leave for 12 days from 19-3-63.

K L SWAMI*Stores Officer
for Director***(ML&C DTE)***New Delhi, the 10th April 1963*

No. 40/13/ADM/L&C/60—The undermentioned officer is granted leave:—

Shri Ram Sarup, a permt. Officer Class I and Offg. Assistant Director, Military Lands and Cantonments, Southern Command, 16 days earned leave, 22nd Dec., 1962.

No. 40/46/G/L&C/59—The undermentioned Officer is granted leave:—

Shri N. K. Bhavnani, a permt. Officer Class I and Mily. Estates Officer, Bombay and Gujarat Circle, 17 days earned leave (with permission to affix Sunday the 17th Feb. 1963) 31st January 1963.

GAJENDRA SINGH*Director**Military Lands and Cantonments***(DGBR)***Simla, the 11th April 1963*

No. 029/E1—The undermentioned Officer is granted leave:—

GO-32 Shri P L Akers, temporary Civilian Officer Gde II (354 Wksp & PK Coy) 8 days Earned Leave from 1st March 1963 to 8th March 1963.

N S KUMAR*Lt Col**Commander**Bombay, the 12th April 1963*

No. 2ED/1167/9/PC—P/A No. 6752 Shri K. L. Bahri, C.G.O. (Admin) Earned Leave w.e.f. 6-4-63 to 20-4-63—15 days.

S. P. NAYUDU*CGO**for Wing Commander, Commanding
Air Force Station, Bombay***(Regular Army)****(Army Ordnance Corps)***Jubbulpore-1, the 15th April 1963*

No. 1051/Est—The following officer is granted leave:—

Shri BK Ghose OO CIV (Stores) (Permanent) AOC School Jubbulpore—Earned leave:—

(i) 10 Dec to 12 Dec 62

(ii) 1 Feb to 5 Mar 63

S NAGASUNDARAM*Maj**for Commandant***Samba Project***C/o 56 APO, the 16th April 1963*

No. 157/28—The undermentioned officer is granted leave:—

Serial No.	No.	Name	Rank	Period	Remarks
1	MES-30841	Shri V. D. PASARNIKAR	AEE B/R 15 Ty (Supdt B/R I Pt)	Jan 63 to 23 Feb 63	Availed of 10* days earned leave

K R MURTY*Major**for Comdr Engrs***P & D Organisation****Defence Science Laboratory***Delhi-6, the 16th April 1963*

No. P/0531/Estt/L—The undermentioned officer has been granted leave:—

Shri R. K. Varma, Ty. SSO II 31 days earned leave, 12th March 1963.

P. S. GUPTA*VAO**for Director***Directorate General, Ordnance Factories***Calcutta, the 16th April, 1963*

No. 23/63/G.—Shri R. M. Bhise, Offg. TSC, was granted E.L. for 13 days, 17th Dec., 1962.

No. 24/63/G.—Shri A. V. Krishnaswamy, Permt. Labour Officer, was granted earned leave for 16 days, 16th Jan., 1963.

The 17th April 1963

No. 25/63/G.—Shri S. Ranganathan, Permt. Sr. DADGOF was granted E.L. for 8 days, 2nd Feb., 1963, with permission to affix Sunday, 10th Feb. 63.

No. 26/63/G.—Shri Amar Chand, Offg. General Manager, Gr. II, was granted privilege leave for 3 months and 30 days, 19th Oct., 1962.

No. 27/63/G.—Shri M. N. Bhattacharya, Offg. Assistant Manager, was granted earned leave for 23 days, 1st Jan., 1963.

No. 28/63/G.—Shri K. J. Singh, Permt. Labour Officer, was granted earned leave for 13 days, 19th Nov., 1962, with permission to affix Sunday, 2nd Dec., 1962.

M. M. THOMAS*Deputy Director General, Ordnance Factories***R & D Organisation****Defence Laboratory***Jodhpur, the 18th April 1963*

No. DL/P/1405/Estt.—(i) The undermentioned Officer is granted leave:—

Shri Umed Ram, Permanent Administrative Officer, 31 days earned leave, 26-6-61.

(ii) The undermentioned Officer is granted leave:—

Shri Umed Ram, Permanent Administrative Officer, Ty Administrative Officer (Senior) 25 days earned leave, 1-1-63.

UMED RAM*Senior Admin Officer**for Director Defence Laboratory*

Air Force Station*Bombay-33, the 19th April 1963*

Ref:-2ED/1167/4/PC—P/A No. 217 Shri S. K. Chatterjee, CGO (Quip) Earned Leave w.e.f. 22-4-63 to 6-5-63—15 days.

S. P. NAYUDU

C.G.O.

Group Captain, Commanding

Air Force Station,

Bombay

MINISTRY OF LABOUR AND EMPLOYMENT**Office of the Chief Labour Commissioner (C)****NOTIFICATIONS***New Delhi, the 16th April 1963*

No. Adm. I/5(1)/63—Shri O. P. Saksena, Officiating Conciliation Officer (Central), Asansol was transferred with effect from the afternoon of 28th March, 1963 and posted as Conciliation Officer (Central) Headquarters Dhanbad with effect from the 1st April, 1963 (forenoon).

B. K. SAKSENA

Asstt. Labour Commissioner

Office of the Regional Labour Commissioner (Central)*Bombay, the 17th April 1963*

No. B-1(15)/57—Shri B. B. Warke, Labour Inspector Central, Prosecution Bombay was granted earned leave for 62 days with effect from 24th December 1962 to 23rd February 1963 (both days inclusive) with permission to affix 23rd December 1962 and 24th February 1963 being Sundays.

S. M. DIKHALE

Regional Labour Commissioner (Central)

Bombay

Dhanbad, the 18th April 1963

No. A-1/1(13)/62—Shri A. P. Sen Gupta, Labour Inspector (C), Chaibasa was granted 24 days earned leave from 18th February 1963 to 13th March 1963 both days inclusive.

O. MAHEEPATHI

Regional Labour Commissioner (C)

Dhanbad

MINISTRY OF COMMERCE AND INDUSTRY**Department of Commercial Intelligence and Statistics****NOTIFICATIONS***Calcutta-1, the 16th April 1963*

No. Estt. I/1(2)63/3127/II—Shri R. N. Biswas, a permanent Superintendent in the Department of Commercial Intelligence and Statistics has been appointed to officiate as Research Officer in the same Office with effect from the forenoon of 10th January 1963 until further orders.

S. SUBRAMANIAM

Director General

Office of the Textile Commissioner*Bombay, the 17th April 1963*

No. 2(3)/62-Control—In exercise of the powers conferred on me by clause 22 of the Cotton Textiles (Control) Order, 1948, I hereby make the following further amendments to the Textile Commissioner's Notification No. 80/Tex. I&48 (iii) dated the 2nd August, 1948, namely:—

In the said Notification—

I. for paragraph 2 the following shall be substituted, namely:—

"2 Every manufacturer shall stamp on each piece of cloth other than embroidered cloth—

(a) the words "Ex-Mill Price" and "Retail Price" and the amount of ex-mill and retail prices at which cloth is intended to be sold by the manufacturer or the dealer, as the case may be;

(b) the words "Excise Duty" and the amount of excise duty;

(c) the words "Octroi extra".

Explanation:—In this paragraph the expression "embroidered cloth" means cloth decorated with designs formed by extra threads with the help of needles".

II. Paragraphs 3 and 4 shall be omitted.

R. DORAISWAMY

Textile Commissioner

Office of the Chief Controller of Imports and Exports**Import & Export Trade Control***New Delhi, the 19th April 1963*

No. 6/594/60-Admn(G)/1215—Shri J. E. Shaikh, officiating Assistant Controller of Imports and Exports in the office of the Joint Chief Controller of Imports and Exports, Bombay has been granted earned leave for 60 days with effect from the forenoon of the 15th March, 1963.

2. This office notification No. 6/594/60-Admn(G)/960 dated the 25th March 1963 is hereby cancelled.

K. RAJARAMAN

Dy. Chief Controller of Imports & Exports

for Chief Controller of Imports & Exports

ARCHAEOLOGICAL SURVEY OF INDIA**NOTIFICATION***New Delhi-11, the 17th April 1963*

No. 2/6/163-M.—In exercise of the powers conferred under rule 6 of the Ancient Monuments and Archaeological Sites and Remains Rules, 1959, I, K. Deva, Deputy Director General of Archaeology, do hereby direct that no fee shall be charged for entry into the monuments on Rajagiri hill at Gingee, District South Arcot, Madras, during the period from 29th April, 1963 to 31st May, 1963, both days inclusive, on account of the annual festival of Kamalakanni Aman.

K. DEVA

Deputy Director General

GEOLOGICAL SURVEY OF INDIA**NOTIFICATIONS***Calcutta-13, the 18th April 1963*

No. 6774N/2251(PRDR)/19—Shri Pijush Ranjan Dutta Roy, Sr. Drilling Asstt., GSI, is appointed as a Driller in the Geological Survey of India in the scale of Rs. 350—25—500—30—590—EB—30—800—EB—30—830—35—900 in a temporary capacity with effect from the afternoon of the 15th March, 1963, until further orders.

No. 6798N/2339(RRPP)/19—Shri P. Ramachandra Rao Pant, M. Sc. is appointed as an Asstt. Geophysicist in the Geological Survey of India on an initial pay of Rs. 350/- per month in the scale of Rs. 350—25—500—30—590—EB—30—800—EB—30—830—35—900 in a temporary capacity with effect from the forenoon of the 20th March 1963 until further orders.

The 19th April 1963

No. 6910N/2339(HND)/19—Shri H. N. Dwarakanath, M.Sc. is appointed as an Asstt. Geophysicist in the Geological Survey of India in the scale of Rs. 350—25—500—30—590—EB—30—800—EB—30—830—35—900 in a temporary capacity with effect from the forenoon of the 18th March 1963 until further orders.

No. 6927N/2181(JCP)/19—Shri Jaydeb Chandra Pal, M.Sc., is appointed as an Assistant Chemist in the Geological Survey of India in the scale of Rs. 350—25—500—30—590—EB—30—800—EB—30—830—35—900 in a temporary capacity with effect from the forenoon of the 20th March 1963 until further orders.

The 20th April 1963

No. 7030N/2251(NKD)/19—Shri N. K. Deb, Senior Drilling Assistant is appointed as a Driller on ad-hoc basis in the Geological Survey of India in the scale of Rs. 350—25—500—30—590—EB—30—800—EB—30—830—35—900 in a temporary capacity with effect from the forenoon of the 8th April 1963, until further orders.

B. C. ROY

Director General

Geological Survey of India

DIRECTORATE GENERAL : ALL INDIA RADIO**NOTIFICATIONS***New Delhi-1, the 16th April 1963*

No. 15/18/63-SIII—The Director General, All India Radio hereby appoints Shri S. S. Bansal, Shift Assistant, All India Radio, Jaipur as Assistant Engineer, All India Radio, Jaipur in a temporary capacity with effect from the 3rd April 1963 until further orders

No. 15/26/63-SIII—The Director General, All India Radio hereby appoints Shri K. V. V. Krishnaiah, Shift Assistant, All India Radio, Bangalore as Assistant Engineer, All India Radio, Bangalore in a temporary capacity with effect from the 4th April 1963 until further orders.

K. A. IYER

*Deputy Director of Administration
for Director General*

News Services Division*New Delhi, the 18th April 1963*

No. 21(A-Simla)/62-S—Shri K. K. Puri, substantive grade IV, and officiating grade III officer of the Central Information Service and working as Assistant Director of (M), AIR Simla, was granted earned leave for 67 days, from 4th February 1963, with permission to affix Sunday on 14th April 1963, and closed holidays on 12th and 13th April 1963 to it.

V. B. PRASAD

for Director of News Services Division

MINISTRY OF MINES AND FUEL**Indian Bureau of Mines****NOTIFICATIONS***Nagpur, the 13th March 1963*

No. 3118/Adm.3(226)—Shri N. C. Banerjee a permanent Superintendent in the Indian Bureau of Mines is appointed to officiate as Assistant Administrative Officer in the Indian Bureau of Mines with effect from the forenoon of 2nd March, 1963 until further orders.

No. 3126/Adm.3(79)—Shri A. K. Raghavachary a permanent Assistant Administrative Officer (Accounts) in the Indian Bureau of Mines is appointed to officiate as Administrative Officer in the Indian Bureau of Mines with effect from the afternoon of 4th March, 1963 until further orders

R. N. SINGHAL

*Administrative Officer
for Director*

DIRECTORATE GENERAL OF HEALTH SERVICES**NOTIFICATIONS***New Delhi, the 4th April 1963*

No. 1-119/62-CHS-I—The Director General of Health Services hereby appoints Dr. Jai Pal Singh to the post of Assistant Surgeon, Grade I, under the Contributory Health Service Scheme, in a temporary capacity with effect from the forenoon of the 2nd February 1963 till further orders.

The 16th April 1963

No. 1-69/61-CHS.I—On return from his deputation to the Indian Council of Medical Research, Dr. B. S. Misra, resumed charge of the post of Assistant Surgeon, Grade I, Under the Contributory Health Service Scheme, New Delhi, on the forenoon of the 1st April 1963.

K. C. GUPTA

Deputy Director (Admn)

New Delhi, the 16th April 1963

No. 65-9/62-SI—The Director General of Health Services hereby appoints Shri T. S. Narayana Rao, permanent Computer and temporary Assistant Superintendent (Store), Medical Store Depot, Madras as Assistant Depot Manager in the same Depot in an officiating capacity with effect from the forenoon of the 30th March 1963 until further orders.

M. G. PANDIT

for Director General of Health Services

New Delhi, the 20th April 1963

No. 7-7/63-Adm.II—The Director General of Health Services has been pleased to accept the resignation of Dr. (Mrs.) Gurbaksh Kaur, Woman Medical Officer, Rural Health Training Centre, Najafgarh, (Delhi), with effect from the forenoon of the 3rd April 1963.

A. T. SESHADRI

Deputy Director Administration

MINISTRY OF STEEL AND HEAVY INDUSTRIES**(Department of Iron and Steel)****Iron and Steel Control****NOTIFICATION***Calcutta 1, the 19th April 1963*

No. EI-19(11)/61—Shri S. C. Mukherjee, Deputy Iron and Steel Controller, has been granted earned leave for 33 days from 16th April to 18th May 1963, with permission to prefix restricted holiday on 12th April and closed holidays and Sunday from 13th to 15th April 1963, and suffix Sunday the 19th May, 1963, to his leave. He is likely to return to the same or similar post and at the same station on the expiry of the leave

C. B. MATHUR

*Deputy Director (Administration)
for Iron and Steel Controller*

MINISTRY OF FOOD AND AGRICULTURE**Central Potato Research Institute****NOTIFICATIONS***Simla, the 16th April 1963*

No. F.2/3720/Estt.—Shri Chandar Dhar Sharma is appointed to officiate as Technical Information Officer (Class II) in the Scheme for Improvement of Administrative Staff and Library Facilities at the Central Potato Research Institute with effect from the forenoon of the 5th February 1963, and until further orders.

PUSHKARNATH

Director

(Department of Agriculture)**Directorate of Marketing and Inspection***Nagpur, the 19th April 1963*

No. 56(47)/164/62-D.A.—Consequent on his selection for appointment as Assistant Director (General), Shri G. P. Sonker, Marketing Development Officer, (now redesignated as Marketing Officer), Sann Hemp Grading, Calcutta handed over charge on the afternoon of the 2nd of March 1963.

N. P. CHATTERJI

*Agricultural Marketing Advisor
to the Government of India*

INDIAN AGRICULTURAL RESEARCH INSTITUTE**NOTIFICATION***New Delhi, the 16th April 1963*

No. Ad.1/17-3/63/11924—The Director, I.A.A.I., New Delhi hereby appoints Dr. V. Iswaran, officiating Assistant Soil Microbiologist in the Division of Microbiology, to the post of Assistant Microbiologist (Section of Bacterial Physiology), Division of Microbiology in a temporary capacity with effect from the forenoon of the 4th April, 1963 until further orders.

VAS DEV

*Registrar
for Director*

NATIONAL DAIRY RESEARCH INSTITUTE**NOTIFICATION***Karnal, the 17th April 1963*

No. F.13-75/63-E-619—Shri R. M. Kapoor, Superintendent (Accounts), Geological Survey of India, Jaipur, is appointed to the Class II (Gazetted) post of Stores Officer in the revised scale of Rs. 350—25—500—30—590—EB—30—800—EB—30—830—35—900 at the National Dairy Research Institute, Karnal, in an officiating capacity with effect from the forenoon of 9th April 1963 until further orders.

K. K. IYA*Director of Dairy Research***MINISTRY OF SCIENTIFIC RESEARCH & CULTURAL AFFAIRS****Botanical Survey of India****Office of the Chief Botanist****NOTIFICATION***Calcutta 13, the 18th April 1963*

No. BSI-67/1/63/ES—Shri S. L. Mukherjee, Office Superintendent, Headquarters Office of the Botanical Survey of India, is promoted to the post of Junior Administrative Officer, Headquarters Office, Botanical Survey of India, in the scale of Rs. 350—25—500—30—590—EB—30—800, in a temporary capacity, with effect from the forenoon of the 8th April 1963, until further orders

H. SANTAPAU*Chief Botanist***MINISTRY OF EDUCATION****National Discipline Scheme Directorate****NOTIFICATION***New Delhi 11, the 18th April 1963*

No. F.11(4)/63-NDS-DTE-Adm.I—The Director General, National Discipline Scheme hereby appoints Shri Asimabha Aich as a Senior Supervisor, National Discipline Scheme, Eastern Region in a temporary capacity with effect from the forenoon of the 4th April 1963 until further orders.

J. S. TYAGI*Director***OFFICE OF THE GENERAL MANAGER, BOMBAY TELEPHONES****NOTIFICATIONS***Bombay, the 10th April 1963*

No. ST/25-4—Shri B. N. Thanekar, Cable Foreman is appointed to officiate as Assistant Engineer in T.E. & W.S. Class II in Bombay Telephones with effect from the forenoon of 1st April 1963, purely as a local arrangement until further orders.

The 17th April 1963

No. ST/25-4—Shri N. K. Moorthy, Exchange Inspector Grade I, is appointed to officiate as Assistant Traffic Superintendent in T.E. & W.S. Class II, in Bombay Telephones from the forenoon of 1st April 1963, purely as a local arrangement until further orders.

M.S. MUTHANNA*General Manager
Bombay Telephones***OFFICE OF THE MANAGER, BOMBAY TELEPHONE WORKSHOPS****NOTIFICATION***Bombay, the 18th April 1963*

No. ES-8-2PL.II(234)—Sri K. A. Wadia, Asstt. Engineer, Bombay Telephone Workshops, Bombay, is granted earned leave for 17 days with effect from 4th April 1963, with permission to suffix Sunday, the 21st April 1963.

M. M. WAGLE*Manager**Bombay Telephone Workshops***OFFICE OF THE GENERAL MANAGER, CALCUTTA TELEPHONES****NOTIFICATIONS***Calcutta 1, the 9th April 1963*

No. SAT-2000—The General Manager is pleased to appoint Sarvashri S. Das Gupta, and D. Banerjee, Engineering Supervisors who have qualified in the T.E. & W.S. Class II, Examination to officiate as Assistant Engineers in T.E. and W.S. Class II, with effect from the 25th March 1963, and 21st March 1963 respectively against local vacancies.

No. SAT-2000—Shri A. C. Bose, Assistant Engineer, Calcutta Telephones, is relieved with effect from the forenoon of the 15th April 1963, on his transfer to Jammu and Kashmir.

The 11th April 1963

No. SAT-2000—Sarvashri B. K. De, and N. G. Mazumder, Assistant Engineers, Calcutta Telephones are relieved with effect from afternoon of 11th April 1963 on their transfer to Assam Circle.

The 16th April 1963

No. SPF-9154—Shri A. Govindrayan, Accounts Officer, Calcutta Telephones is granted earned leave for 20 days with effect from the forenoon of 8th April 1963 under Rule 9 of the Revised Leave Rules, 1933, with permission to prefix Sunday 7th April 1963 and suffix Sunday 28th April 1963.

S. N. SUR*Deputy General Manager (A)**Calcutta Telephones**Calcutta, the 16th April 1963*

No. Q-878/63-64/13—Shri A. T. Pal, Metallurgist, Tele. Workshops, Calcutta is granted Earned Leave for 15 days without medical certificate with effect from 15th March 1963.

On expiry of the leave, he is reposted as Metallurgist, Tele. Workshops, Calcutta with effect from forenoon of 30th March 1963.

S. K. CHATTERJEE*Manager, Tele: Workshops**Calcutta**Calcutta, the 16th April 1963*

No. SPF-9085—Shri C. K. Hanumantha Rao, officiating Assistant Engineer, Calcutta Telephones has been granted Earned Leave for 25 days with effect from the forenoon of 19th March 1963 under Rule 9 of the Revised Leave Rules, 1933, with permission to suffix Second Saturday and Sunday 13th and 14th April 1963.

K. THOMAS KORA*Dy. General Manager**Calcutta Telephones*

OFFICE OF THE POSTMASTER GENERAL, GUJARAT CIRCLE**CORRIGENDUM***Ahmedabad 20, the 19th April 1963*

No. S 22/2/A—Read this office notification of even no. dated the 18th March 1963. The date of assumption of charge by Shri S. B. Jain at the new station may be read as 10th December 1962 F/N instead of 7th December 1962 A/N.

A. SWAMINATHAN*Postmaster-General**Ahmedabad***OFFICE OF THE MANAGER, TELEGRAPH WORKSHOPS****NOTIFICATION***Jabalpur, the 17th April 1963*

No. Q-890/JB—On expiry of leave Shri S. Hembram, is posted as Assistant Engineer Telegraph Workshops, Jabalpur, with effect from 1st April 1963, F.N.

S. KRISHNAN*Manager, Tele. Workshops**Jabalpur***OFFICE OF THE POSTMASTER-GENERAL, MADRAS CIRCLE****NOTIFICATIONS***Madras 2, the 17th April 1963*

No. SAP66—Shri A. E. Bhurangam Naidu, Assistant Director of Postal Services, Circle Office, Madras is granted an extension of earned leave for 24 days from 7th April 1963 to 30th April 1963. Shri B. K. Vasudevan, approved officer P.S.S. Class II, will continue to officiate as A.D.P.S. in the leave vacancy in local arrangement.

No. SAP 1819—Shri V. S. Varadan, appointed Sr. Supdt. of Post Offices, East Tanjore (Dn.) in transit (after relief from Assam Circle on the F/N of 19th March 1963) is granted earned leave for 30 days from the 19th March 1963 to the 17th April 1963. During the above period, Shri V. Subramanian, unapproved officer will continue to officiate as Supdt. of East Tanjore Division.

No. TSEQ-571—Shri R. V. Ramanathan, Officiating Assistant Engineer, Trunks, Coimbatore is granted earned leave for 63 days from the 8th April 1963 Forenoon.

The 19th April 1963

No. SAP. 1738/98/AAA—Shri A. Ramchandran, Sr. Superintendent of Post Offices, Madras City (North) Division is granted L.A.P. for 12 days from the 19th March to the 30th March 1963. During the leave Shri V. Srinivasan, Sr. Superintendent of Post Offices Madras City (South) Dn. was holding additional charge of the Madras City (North) Division without any extra remuneration. On expiry of the leave, Shri A. Ramchandran was reposted as Sr. Superintendent of Post Offices Madras City (North) Dn. with effect from the 30th March 1963, (Afternoon).

S. R. BHASHYAM*Postmaster General, Madras***P AND T TECHNICAL AND DEVELOPMENT CIRCLE****NOTIFICATION***Jabalpur, the 17th April 1963*

No. TD/SQ-3588—On expiry of 15 days earned leave, Shri G. R. Raghvan, has resumed duty as A.D.E.T. (Prob) in the office of Dy. Chief Engineer (L) Planning Branch, P&T Directorate, New Delhi with effect from the forenoon of 14th February 1963.

R. BALASUBRAMANIAN*for Additional Chief Engineer***OFFICE OF THE POSTMASTER-GENERAL, PUNJAB CIRCLE****NOTIFICATION***Ambala, the 16th April 1963*

No. SP/P-1690/III/5—Shri O. D. Sharma, offg. Supdt. of Post Offices, Rohtak is granted leave on average pay

for 2 days with effect from the 28th November 1962 to 29th November 1962.

MARCUS DE LIMA*Postmaster-General**Punjab Circle***OFFICE OF THE DIRECTOR, POSTS AND TELE-GRAPHS, RAJASTHAN CIRCLE****NOTIFICATION***Jaipur, the 20th April 1963*

No. A7-804—Shri M. R. Issarani, IPS Probationer, is granted earned leave for six days, viz., from 15th to 20th April 1963, with permission to prefix holidays from 12th to 14th April 1963 and suffix Sunday the 21st April 1963.

N. P. BHATNAGAR*Dy. Director, Posts and Telegraphs**Rajasthan Circle***OFFICE OF THE POSTMASTER-GENERAL, WEST BENGAL CIRCLE****NOTIFICATIONS***Calcutta-1, the 16th April 1963*

No. SFA/A-321—Sri A. P. Massand, Divisional Engineer, Telegraphs, officiating as Director of Telegraphs, was granted a third extension of earned leave for 4 days with effect from the 12th January 1963.

MADAN KISHORE*Postmaster-General**West Bengal Circle**Calcutta 1, the 16th April 1963*

No. SFA/A-327—Sri P. N. Mukherjee, an officer in Telegraph Engineering and Wireless Service, Class II, is granted earned leave for 22 days with effect from the 12th March 1963.

On his return from leave, Sri P. N. Mukherjee has been reposted as an Asstt. Engineer in Telegraph Engineering and Wireless Service, Class II, Calcutta City Engg. Division with effect from the 3rd April 1963

The 18th April 1963

No. SFA/A-308—Shri J. M. Neogy, an Officer in Telegraph Engineering and Wireless Service Class II, is granted an extension of earned leave for 20 days with effect from the 4th April 1963.

V. P. KANETKAR*Director of Telegraphs**West Bengal Circle***OFFICE OF THE COLLECTOR OF CUSTOMS AND CENTRAL EXCISE****NOTIFICATIONS***Calcutta, the 17th April 1963*

No. 15—On relinquishing the charge of the Office of the Superintendent of Central Excise, Headquarters, West Bengal Collectorate, Calcutta, on 23rd March 1963 (A.N.) Shri B. K. Roy, Superintendent of Central Excise took over charge as Superintendent of Central Excise, Alipurduars Circle on the F.N. of 28th March 1963, vice Shri Sukumar Mukhopadhyay, Probationer in Indian Customs and Central Excise Service, Class I, relieved from that date.

No. 16—On being relieved from the charge of the Office of the Superintendent of Central Excise, Alipurduars Circle on 28th March 1963, F.N. Shri S. Mukhopadhyay, Probationer, who assumed charge of the Office of the Superintendent of Central Excise (Headquarters), West Bengal Collectorate, Calcutta on 30th March 1963, A.N. is now undergoing training in the Customs Department, Calcutta for 10 weeks from that date.

No. 17—On expiry of leave, Shri K. P. Gupta, Superintendent of Central Excise lately posted as Superintendent of Central Excise, Headquarters, West Bengal Collectorate Calcutta, took over charge as Superintendent of Central Excise, Krishnagore, Circle on the F.N. of 28th March 1963 vice Smt. Ila Chatterjee, Probationer in Indian Customs and Central Excise Service, Class I, relieved from that date.

No. 18—On being relieved from the charge of the Office of the Superintendent of Central Excise, Krishnagore Circle on 28th March 1963, (F.N.), Smt. Ila Chatterjee, Probationer, who assumed charge of the office of the Superintendent of Central Excise, Headquarters, West Bengal Collectorate, Calcutta on 29th March 1963 (F.N.), is now undergoing training in the Customs Department, Calcutta for 10 weeks from that date.

M. C. DAS
Collector of Customs and Central Excise
West Bengal Calcutta

CENTRAL PUBLIC WORKS DEPARTMENT
Office of the Chief Engineer
NOTIFICATION

New Delhi, the 16th April 1963

No. 9/36/62-EV—Dr. P. N. Mehra, Junior Medical Officer, Central Public Works Department, was appointed to officiate as Medical Officer (Assistant Surgeon, Grade I) in the scale of Rs. 325—25—500—30—590—EB—30—800 from 22nd August 1962 to 28th February 1963 in the 'D' Division, under the First Circle, Central Public Works Department, New Delhi, vice Dr. P. S. Mathur, Medical Officer, on deputation to the Border Roads Organisation.

N. G. DEWAN
Chief Engineer

OFFICE OF THE COMMISSIONER OF INCOME-TAX
NOTIFICATIONS

New Delhi, the 11th April 1963

No. Est.19/Jur/Raj/63-64/23—In partial modification of this office notification No. JJ-5(5)(2)/141 dated the 2nd November 1960, and in exercise of the powers conferred by sub-section (1) of Section 124, of the Income-tax Act, 1961 (No. 43, of 1961), the Commissioner of Income-tax, Delhi and Rajasthan, New Delhi hereby directs that in the ninth line of the said notification after the word "Companies" the following shall be added:—

"and Employees of Jodhpur University and Jodhpur Division of Northern Railway."

This notification shall have effect from the 1st April 1963.

No. Est.19/Jur/Raj/63-64/25—In partial modification of this office notification No. Est. 19/Jur-Raj/62/120, dated the 14th May 1962 and in exercise of powers under sub-section (1) of Section 124, of the Income-tax Act, 1961, (43 of 1961), the Commissioner of Income-tax Delhi and Rajasthan, New Delhi, hereby directs that with effect from 22nd April 1963, the Additional Income-tax Office, C-Ward, Jodhpur shall cease to exercise his functions in respect of those persons or classes of persons who were being assessed by the Addl. Income-tax Officer, C-Ward, Jodhpur before the issue of this Notification.

No. Est.19/Jur-DLI/63-64/27—In modification of this Office Notification No. JJ-5(5)/60/502 dated the 2nd January 1962, and in exercise of the powers conferred by sub-section (1) of Section 124, of the Indian Income-tax Act, 1961, the Commissioner of Income-tax, Delhi and Rajasthan New Delhi, hereby directs that with effect from 15th April 1963, the Income-tax Officers mentioned in Column I, of the table below shall perform their functions in respect of persons working with the employers mentioned against them in column II, of the said table:—

TABLE

Column I	Column II
Income-tax Officer, Private Salary Circle I, New Delhi.	1. All Embassies. 2. All Oil Companies (Burmah Shell, Caltex and Standard Vacuum etc.). 3. All Air Corporations and Companies. 4. All Medical and Educational Institutions and Hospitals.

Column I	Column II
Income-tax Officer, Private Salary Circle II, New Delhi.	5. All Newspapers. 6. British Council. 7. Foreign correspondents. 8. Uttam Singh Duggal & Co. 1. Delhi Cloth & Central Mills Co. Ltd. 2. All Banks. 3. Escorts (Agents) Ltd. 4. Lever Brothers. 5. Life Insurance Corporation. 6. All Municipalities and Municipal Corporations in Delhi.
Income-tax Officer, Private Salary Circle III New Delhi.	All other employers not shown in the Jurisdiction of Income-tax Officers, Private Salary Circles I, II & IV, New Delhi.
Income-tax Officer, Private Salary Circle IV, New Delhi.	1. All State Undertakings except Life Insurance Corporation. 2. All other employers not shown in the Jurisdiction of Income-tax Officers, Private Salary Circles I & II whose names (Employers) begin with Alphabets 'A' to 'L'.

No. Est.19/JUR-DLI/63-64/28—In supersession of the existing orders on the subject and in exercise of the powers conferred by Sub-section (1) of Section 124, of the Income-tax Act, 1961 (43 of 1961), the Commissioner of Income-tax, Delhi and Rajasthan, New Delhi hereby directs that with effect from 1st May 1963 the Income-tax Officer mentioned in Column I of the table below shall perform his functions in respect of persons who claim refund of tax deducted at source and who have no taxable income or who have not carried on any business or profession during the previous year in question and who fall within the jurisdiction of the Income-tax Officers mentioned in Column 2 of the said table:—

TABLE

Column I	Column 2
Income-tax Officer, Refund Circle, New Delhi.	Income-tax Officers, A-I District, A-I(I) District, A-II District, A-III District, Addl. A-III District, A-IV District, A-IV(I) District, B-II District, B-III District, B-III(I) District, B-IV District, Addl. B-IV District, B-IV District, B-V District, B-VI District, B-VII District, Addl. B-VII District, B-VIII District, B-VIII(I) District, B-IX District, Addl. B-IX District, B-X District, B-XI District, B-XI(I) District, B-XIV District, B-XIV(I) District, B-XIV(2) District, B-XVII District, B-XVII(1) District, B-XVII (2) District, B-XVII(3) District, B-XVIII District, B-XVIII(1) District, C-I District, C-I(I) District, C-II District, C-III District.

No. Est.19/JUR/Raj/63-64/34—In modification of the existing orders on the subject and in exercise of the powers conferred by sub-section (1) of Section 124, of the Income-tax Act, 1961, (No. 43 of 1961) hereinafter to be referred to as the Act, the Commissioner of Income-tax, Delhi and Rajasthan, New Delhi hereby directs that with effect from 1st April 1963, the Income-tax Officer mentioned in column I, of the table below shall perform their function in respect of the persons or classes of persons and/or the incomes or classes of incomes mentioned against them in column II, of the said table:—

TABLE

Column I	Column II
1. Income-tax Officer, A-Ward, Jodhpur.	1. All Limited Companies in Jodhpur Division. 2. All employees of Jodhpur Division of Northern Railway under the Audit control of Divisional Accountant, Jodhpur, Northern Railway. 3. All employees of Jodhpur University, Jodhpur.

Column I	Column II	Column I	Column II
	<p>4. All persons other than —</p> <p>(i) Employees under the Audit control of the Accountant General, Rajasthan;</p> <p>(ii) Persons whose cases are assigned under section 127(1) of the Act to other Income-tax Officers;</p> <p>(iii) Persons whose cases are allotted to the Income-tax Officers, A-1 Ward, B-Ward, C-Ward and D-Ward, Jodhpur;</p> <p>whose place of assessment is in—</p> <p>(a) The following areas in Jodhpur City — Outside Sojati Gate;</p> <p>Kutchery Road, with Rai-ka-Baag and Poota area;</p> <p>Residency Area;</p> <p>Ratanada including Aerodrome area; Station Road;</p> <p>(b) In the Jalore District;</p> <p>(c) In the town of Didwana and Jaswantgarh Tehsil, in Nagour District.</p>		<p>whose place of assessment is in—</p> <p>(a) The following areas of Jodhpur City—</p> <p>Soosagar; Nai-Bera; Udai-Mandir; Inside Nagouri Gate; Mertia Gate; Hathuram Ka Oad; Ghas-Mandi, Kandol Bazar, Tripolia, Girdikot; Moti Chowk; Manak Chowk; Tobacco Bazar; Katla Bazar; upto Achalnath-ka-Mandir;</p> <p>(b) Nagour District excluding Didwana Town and Jaswantgarh Tehsil.</p>
2. Income-tax Officer, A-1 Ward, Jodhpur.	<p>All persons other than —</p> <p>(i) Limited companies;</p> <p>(ii) Employees under the Audit control of the Accountant General, Rajasthan;</p> <p>(iii) Employees of Jodhpur University, Jodhpur;</p> <p>(iv) Employees of Jodhpur Division of Northern Railway;</p> <p>(v) Persons whose cases are assigned under section 127(1) of the Act to other Income-tax officers —</p> <p>whose place of assessment is in:—</p> <p>(a) The following areas of Jodhpur City — Cloth Market commencing after Rakhi House to Achalnath-ka-Mandir; Moha market; Bullion Hall; Outside Nagouri Gate.</p> <p>(b) Jodhpur District excluding Jodhpur City;</p> <p>(c) Barmer Town and Tehsil, Chotan Tehsil and Shiv Tehsil of Barmer District.</p>	5. Income-tax Officer, D-Ward, Jodhpur.	<p>All persons other than —</p> <p>(i) Limited Companies;</p> <p>(ii) Employees under the Audit control of the Accountant General, Rajasthan;</p> <p>(iii) Employees of Jodhpur University, Jodhpur;</p> <p>(iv) Employees of Jodhpur Division of Northern Railway;</p> <p>(v) Persons whose cases are assigned under section 127(1) of the Act to other Income-tax Officers;</p> <p>whose place of assessment is in—</p> <p>(a) The following areas of Jodhpur City—</p> <p>(i) Inside Sojati Gate;</p> <p>(ii) Sardarpura;</p> <p>(iii) Dhan Mandi and</p> <p>(iv) Other areas of Jodhpur City not included in A, A-1, B and C Wards, Jodhpur.</p> <p>(b) Jaisalmer District.</p>
3. Income-tax Officer, B-Ward, Jodhpur.	<p>All persons other than —</p> <p>(i) Limited Companies;</p> <p>(ii) Employees under the Audit control of Accountant General, Rajasthan;</p> <p>(iii) Employees of Jodhpur University, Jodhpur;</p> <p>(iv) Employees of Jodhpur Division of Northern Railway;</p> <p>(v) Persons whose cases are assigned under section 127(1) of the Act to other Income-tax Officer;</p> <p>whose place of assessment is in—</p> <p>(a) The following areas of Jodhpur City—</p> <p>Jalap Mohalla; Kulon-ki-Gali; Nathavata-ka-chowk; Peko-ka-bas; Hatrion-ka-chowk; Sarafon-ka-bazar; Mirchi Bazar; Gunecha bazar; Boopariyon-ka-bas; Rakhi House; Sunaron-ki-ghati; Singh-Pole; Jata-bas; Singhyon-ka-bas; Fateh-Pole; Ranisar Tank; Muhamandi; Navchpkian-Mohalla; Chund-Pole; Siwanchi Gate;</p> <p>(b) Sirohi District;</p> <p>(c) Barmer District, excluding—</p> <p>(i) Barmer Town and Tehsil;</p> <p>(ii) Chotan Tehsil; and</p> <p>(iii) Shiv Tehsil.</p>	4. Income-tax Officer, C-Ward, Jodhpur.	<p>All persons other than—</p> <p>(i) Limited companies;</p> <p>(ii) Employees under the Audit control of the Accountant General, Rajasthan;</p> <p>(iii) Employees of Jodhpur University, Jodhpur;</p> <p>(iv) Employees of Jodhpur Division of Northern Railway;</p> <p>(v) Persons whose cases are assigned under section 127(1) of the Act to other Income-tax Officers;</p>

R. N. MUTTOO

Commissioner of Income-tax
Delhi & Rajasthan

Bombay, the 16th April 1963

No. 8—On return from leave, Shri V. C. Dave, I.R.S., has been reposted as the Authorised Representative, Income-tax Appellate Tribunal, Bench-A, Bombay, with effect from the forenoon of 4th February 1963.

No. 9—Shri S. M. Chickermane, I.R.S., is posted to perform the functions of 4th Income-tax Officer, Estate-Duty-cum-I.T. Circle, Bombay, in addition to his own duties with effect from the forenoon of 23rd March 1963.

No. 10—Shri P. P. Singh, I.R.S., is posted to perform the functions of 2nd Income-tax Officer, Estate-Duty-cum-I.T. Circle, Bombay, in addition to his own duties with effect from the afternoon of 5th April 1963.

S. A. L. NARAYANA ROW
Commissioner of Income-tax
Bombay City I

Nagpur, the 16th April 1963

No. 18—Consequent to their transfer from this charge vide Central Board of Revenue order F. No. 57/22/63-Ad.VI dated 11th February 1963 the following Probationary Income-tax Officers, Class I (Under Training) at Nagpur have been relieved from this charge on 1st April 1963 (afternoon):—

1. Miss M. Benjamin, I.R.S.

Sarvashri

2. Chander Singh, I.R.S.

3. D. P. Choudhury, I.R.S.

4. Devi Dayal, I.R.S.

5. Egbert Singh, I.R.S.

6. L. K. Franklin, I.R.S.

7. S. Govindarajan, I.R.S.

8. C. V. Gupta, I.R.S.

9. R. Krishnamoorthy, I.R.S.

10. J. K. Kuriyan, I.R.S.

11. B. Madhavan, I.R.S.

12. G. K. Mishra, I.R.S.

13. P. N. Mittal, I.R.S.

14. M. S. Moray, I.R.S.

15. R. S. Madakavi, I.R.S.
16. A. K. Nasta, I.R.S.
17. N. K. Nayak, I.R.S.
18. S. V. Patwardhan, I.R.S.
19. B. D. Roy, I.R.S.
20. S. S. Roy, I.R.S.
21. S. N. Shende, I.R.S.
22. G. S. Sidhu, I.R.S.
23. H. K. Singhal, I.R.S.
24. A. S. Chatha, I.R.S.

No. 19—Shri Gur Partap Singh I.R.S., probationary Income-tax Officer (Under Training) at Nagpur has been granted earned leave for 8 days with effect from 25th March 1963 to 1st April 1963 with permission to prefix to the leave 24th March 1963 being Sunday and Suffix joining time admissible.

On expiry of leave and joining time, he will report himself for duty to the Commissioner of Income-tax, Bombay City, Bombay to whose charge he has been transferred vide Board's order F. No. 57/22/63-Ad.VI dated 11th February 1963.

No. 20—Shri Jagannath Kathuria I.R.S. Prob. Income-tax Officer (Under Training) at Nagpur has been granted earned leave for 17 days with effect from 3rd April 1963 to 19th April 1963 with permission to prefix to the leave 2nd April 1963 being holiday and suffix joining time admissible.

On expiry of leave and joining time, he will report himself for duty to the Commissioner of Income-tax, Punjab, Jammu and Kashmir and Himachal Pradesh, Patiala to whose charge he has been transferred vide Board's order No. F. 57/22/63-Adm.VI dated 4th April 1963.

No. 21—Shri Mela Ram, Prob. Income-tax Officer (Under Training) at Nagpur who has been posted to this charge vide Board's order F. No. 57/22/63-Ad.VI dated 11th February 1963 is granted earned leave for 28 days with effect from 3rd April 1963 to 30th April 1963 with permission to prefix to the leave 2nd April 1963 being holiday.

R. D. SHAH

*Commissioner of Income-tax
M.P., Nagpur & Bhandara, Nagpur*

Poona, the 17th April 1963

No. 1—Shri R. S. Mudakavi, Income-tax Officer, Class-I under training at Nagpur whose services are placed at the disposal of the undersigned by the Central Board of Revenue, New Delhi vide their order F. No. 57/22/63-Ad.VI dated 11th February 1963 has been posted as Additional Income Tax Officer, Salaries and Refunds, Poona with effect from the forenoon of the 11th April 1963.

No. 2—Shri B. Madhavan, Income-tax Officer, Class-I under training at Nagpur whose services are placed at the disposal of the undersigned by the Central Board of Revenue, New Delhi vide their order F. No. 57/22/63-Ad.VI dated 11th February 1963 has been posted as Income-tax Officer, D-Ward, Thana with effect from the forenoon of the 11th April 1963 relieving Shri Roy Alphonso. Income-tax Officer, C-Ward, Thana of the additional charge.

M. H. MIRZA

Commissioner of Incometax, Poona

Bombay, the 16th April 1963

No. 14—Shri B. S. Navalkar I.R.S. is posted to perform the functions of 2nd Income-tax Officer A-Ward Section II Bombay in addition to his own duties with effect from the afternoon of 5th April 1963. Vice Shri K. Rangarajan I.R.S. granted leave.

R. N. JAIN

*Commissioner of Income-tax
Bombay City II*

(Income Tax Establishment)

Bombay, the 18th April 1963

No. 16—Shri S. Rajaratnam I.R.S. is posted to perform the functions of I.T.O. Companies Circle I(5) Bombay in addition to his own duties with effect from the forenoon of 3rd April 1963.

S. A. L. NARAYANA ROW
*Commissioner of Incometax
Bombay City I*

Bangalore, the 19th April 1963

No. 1—Shri K.R. Prasad, Income-tax Officer, Kolar was granted earned leave for 23 days from 16th March 1963 to 7th April 1963 (both days inclusive).

No. 2—Shri S. Ganapathy Subramaniam, First Income-tax Officer, Salary Circle, Bangalore was appointed to hold charge of Income-tax Officer, Kolar, in addition to his own during the leave period of Shri K. R. Prasad.

No. 3—Shri M. Y. M. K. Menon, Income-tax Officer, Shimoga, was granted earned leave for 17 days from 21st March 1963 to 6th April 1963 (both days inclusive) with permission to avail the general holiday on 7th April 1963.

No. 4—Shri T. G. C. Aradhya, II Additional Income-tax Officer, Shimoga, was appointed to hold charge of Income-tax Officer, Shimoga, in addition to his own during the leave period of Shri M.Y.M.K. Menon.

No. 5—Shri A. K. Chinnappa, Income-tax Officer, Bellary, is granted earned leave for 40 days from 29th April 1963 to 7th June 1963 (both days inclusive) with permission to avail the general holidays on 28th April 1963, 8th June 1963 and 9th June 1963.

No. 6—Shri Thomas David, Addl. Income-tax Officer, Bellary, is appointed to hold charge of Income-tax Officer, Bellary, in addition to his own during the leave period of Shri A. K. Chinnappa or until further orders.

No. 7—Shri H. K. Basappa, Income-tax Officer B-Ward, Belgaum, is granted earned leave for 30 days from 15th April 1963 to 14th May 1963 (both days inclusive) with permission to avail the general holidays on 12th April 1963, 13th April 1963 and 14th April 1963.

No. 8—Shri R. Parameswara Iyer, Income-tax Officer, D-Ward, Belgaum, is appointed to hold charge of Income-tax Officer, B-Ward, Belgaum, in addition to his own during the leave period of Shri H. K. Basappa and until further orders.

No. 9—Shri G. Suryanarayana Rao, Income-tax Officer, B-Ward, Bijapur, is granted earned leave for 41 days from 15th April 1963 to 25th May 1963 (both days inclusive) with permission to avail the Restricted Holiday on 11th April 1963 and general holidays on 12th April 1963, 13th April 1963, 14th April 1963 and 26th May 1963.

No. 10—Shri S. B. Potnis, Income-tax Officer, A-Ward, Bijapur, is appointed to hold charge of Income-tax Officer, B-Ward, Bijapur, in addition to his own during the leave period of Shri G. Suryanarayana Rao and until further orders.

No. 11—Shri K. V. Shettigara, Income-tax Officer, Karwar, is granted earned leave for 47 days from 22nd April 1963 to 7th June 1963 (both days inclusive) with permission to avail the general holidays on 21st April 1963, 8th June 1963 and 9th June 1963.

No. 12—Shri K. Devappa, Second Income-tax Officer, Dharwar, is appointed to hold charge of Income-tax Officer, Karwar, in addition to his own during the leave period of Shri K. V. Shettigara, and until further orders.

It is certified that S/Shri K. R. Prasad and A. K. Chinnappa, Income-tax Officer, Class I and H. K. Basappa and G. Suryanarayana Rao, Income-tax Officers, Class II, would have continued to officiate in the present post but for their proceeding on leave.

K. M. S. REDDY
*Commissioner of Income-tax
Mysore*

**CENTRAL WATER AND POWER COMMISSION
(Water Wing)**

NOTIFICATIONS

New Delhi 11, the 12th April 1963

No. 14/324(1)/63-Adm.V—The Chairman, Central Water and Power Commission, hereby appoints Shri K. T. Lela to officiate as Assistant Research Officer in the Central Water and Power Research Station, Poona, in the scale of Rs. 350-25-500-30-590-EB-30-800-EB-30-830-35-900 with effect from the 8th March 1963 (F.N.), until further orders.

No. 14/324(11)/63-Adm.V—Consequent upon his appointment, Shri K. T. Lele took over charge of the office of Assistant Research Officer in the Central Water and Power Research Station, Poona, with effect from the 8th March 1963 (F.N.).

No. 34/50/61-Adm.I—The River Investigation Division, Dibrugarh of the Assam Investigation Circle, Central Water and Power Commission, was closed on the 28th February 1963 A.N. Consequent upon the closure of the Division, Shri M. H. Gopalakrishna relinquished charge of the office of Executive Engineer with effect from the same date and time and proceeded on deputation to the Tripura Administration.

No. 36/35/62-Adm.I—The Tezpur Sub-Division, Tezpur, of River Investigation Division, Gauhati, under the Assam Investigation Circle, Central Water and Power Commission was closed on the 28th February 1963 (A.N.) Consequent upon closure of the above Sub-Division, Shri S. C. Jauhar relinquished charge of the office of Assistant Executive Engineer, Tezpur Sub-Division, Tezpur, with effect from the same date and time.

2. The N.E.F.A. Sub-Division, Tezpur, of the Project Division, Gauhati, under the Investigation Circle No. II, Central Water and Power Commission, was opened with effect from 1st March 1963 (F.N.). Consequent upon opening of the above Sub-Division, Shri S. C. Jauhar assumed charge of the office of Assistant Executive Engineer, N.E.F.A. Sub-Division, Tezpur, with effect from the same date and time.

The 18th April 1963

No. 14/321/62-Adm.V—The Chairman, Central Water and Power Commission, hereby appoints Shri K. Subba Rao to officiate as an Extra Assistant Director in the Central Water and Power Commission in the scale of Rs. 350—25—500—30—590—EB—30—800—EB—30—830—35—900 with effect from the forenoon of the 8th April 1963 until further orders.

No. 14/321/62-Adm.V(i)—Consequent upon his appointment, Shri K. Subba Rao took over charge of the office of Extra Assistant Director in the Central Water and Power Commission with effect from the forenoon of the 8th April 1963.

The 19th April 1963

No. 14/189/62-Adm.V—Shri D. K. Bablani, Assistant Engineer, Investigation Sub-Division No. V, Narasinghgarh of Investigation Division No. II, Bhopal, under the Investigation Circle No. I, Central Water & Power Commission, was granted earned leave for 14 days from the 25th November 1961 to the 8th December 1961 with permission to suffix 2nd Saturday and Sunday on the 9th and 10th December 1961 respectively to the leave.

2. On the expiry of above mentioned leave Shri D. K. Bablani took over charge of the office of Assistant Engineer, Investigation Sub-Division No. V, Narasinghgarh of Investigation Division No. II, Bhopal, under the Investigation Circle No. I, Central Water and Power Commission, with effect from the forenoon of the 11th December 1961.

No. 14/111/62-Adm.V—Consequent upon his selection for the post of Executive Engineer in the Heavy Engineering Corporation Ltd., Ranchi, Shri S. Venkata Rao relinquished charge of the office of Extra Assistant Director in the Central Water and Power Commission with effect from the afternoon of the 1st April 1963.

No. 14/327/62-Adm.V—The Chairman, Central Water and Power Commission, hereby appoints Shri P. S. Anangal to officiate as an Extra Assistant Director in the Central Water and Power Commission in the scale of Rs. 350—25—500—30—590—EB—30—800—EB—30—830—35—900 with effect from the forenoon of the 6th April 1963, until further orders.

No. 14/327/62-Adm.V(i)—Consequent upon his appointment, Shri P. S. Anangal took over charge of the office of Extra Assistant Director in the Central Water and Power Commission with effect from the forenoon of the 6th April 1963.

No. 29/2/62-Adm.I—Shri B. R. Shori relinquished charge of the office of Secretary, Central Water & Power Commission (Water Wing) with effect from the 1st April 1963 (A.N.) and assumed charge of the office of Director, Central Water & Power Commission (Water Wing), New Delhi, with effect from the same date and time.

No. 30/8/59-Adm.I—Shri Kehar Singh relinquished charge of the office of Director, Central Water & Power Commission (Water Wing) with effect from the 1st April 1963 (A.N.) and assumed charge of the office of Secretary, Central Water & Power Commission (Water Wing), New Delhi, with effect from the same date and time.

No. 34/4/60-Adm.I—In continuation of this Commission Notification No. 34/4/60-Adm.I, dated the 15th March 1963, Shri M. N. Venkatesan, after closing the Assam Investigation Circle on the 28th February 1963 (A.N.) and after availing himself of joining time, opened the Chenab Investigation Circle, Jammu, on the forenoon of the 12th March 1963, and assumed charge of the office of Superintending Engineer of that Circle with effect from the same date and time.

P. S. VISVANATHAN

Administrative Officer

for Chairman, C. W. & P. Commission

SOUTHERN RAILWAY

NOTIFICATIONS

Madras 3, the 5th April 1963

No. P(G)313/111—The following Officers have been promoted with effect from the dates shown against them:—

1. Shri Akbar Ali Khan, Design Assistant (Class III), has been promoted to officiate as Assistant Engineer (Class II) with effect from 22nd December 1962.
2. Shri M. S. Sheriff, Assistant Engineer (Junior Scale), has been promoted to officiate as Executive Engineer (Senior Scale) with effect from 19th February 1962 (A.N.).
3. Shri K. Sreekantiah, Assistant Engineer (Junior Scale), has been promoted to officiate as Executive Engineer (Senior Scale) with effect from 23rd February 1963.
4. Shri M. Khanna Menon, Assistant Engineer (Junior Scale), has been promoted to officiate as Divisional Engineer (Senior Scale) with effect from 13th March 1963, (A.N.).
5. Shri N. V. Krishnamurthy, Traffic Inspector (Class III), has been promoted to officiate as Assistant Operating Superintendent (Class II), with effect from 21st February 1963.
6. Shri K. Meenakshisundaram, Deputy Chief Controller (Class III), has been promoted to officiate as Assistant Operating Superintendent (Class II) with effect from 24th February 1963.
7. Shri S. K. Shanmugasundaram, Station Master (Class III), has been promoted to officiate as Assistant Commercial Superintendent (Class II), with effect from 19th February 1963 (A.N.).
8. Shri V. Sankaran, Loading Inspector (Class III), has been promoted to officiate as Assistant Commercial Superintendent (Class II), with effect from 28th February 1963 (A.N.).
9. Shri P. S. G. Peberdy, Offg. Assistant Mechanical Engineer (Class II), has been promoted to officiate as Divisional Mechanical Engineer (Senior Scale) with effect from 17th February 1963.

2. The undermentioned officiating Assistant Operating Superintendents/Assistant Commercial Superintendents/Assistant Personnel Officers (Class II), have been confirmed in their appointments with effect from the dates noted against each:—

Serial No.	Name of Officer	Designation	Date of confirmation
1	Shri G. Joshua Balraj	Asst. Operating Superintendent	16-11-61
2	„ N. Venkatesan	Asst. Personnel Officer	15-2-62
3	„ S. Raghavacharya	Asst. Commercial Superintendent	22-4-62
4	„ S. R. Ananthachary	Asst. Personnel Officer	25-4-62
5	„ S. Ramaswamy	Do.	25-4-62
6	„ K. P. Padmanabha Menon	Asst. Commercial Superintendent	25-4-62
7	„ V. Ramamurthy	Asst. Operating Superintendent	25-4-62
8	„ S. Parthasarathy	Do.	20-6-62
9	„ P. V. Subramania Iyer	Asst. Commercial Superintendent	1-7-62

H. D. SINGH

General Manager

CENTRAL RAILWAY

NOTIFICATIONS

Bombay V.T., the 16th April 1963

No. **HPB/GAZ/15/TC**—The following Officers are confirmed in the Senior Scale of the Transportation (Traffic) and Commercial Department from the dates shown against each:—

				Date of Confirmation	
				Provisional	Final
1	Shri F. C. Bhandari	..	..	27-11-59	1-10-60
2	„ B. V. Joshi	..	..	7-12-59	1-1-61
3	„ Chand Narain	..	..	11-6-60	6-7-61
4	„ P. A. Pai	..	..	1-10-60	17-7-62
5	„ R. P. Singh	..	..	1-1-61	29-9-62
6	„ C. K. Swaminathan	..	..	15-6-62	5-12-62
7	„ M. Rameswami	..	..	18-7-62	5-12-62
8	„ S. S. Tyagi	..	..	29-9-62	5-12-62
9	„ T. S. Krishnamurthy	..	..	..	5-12-62
10	„ S. A. Sajjad	..	..	5-12-62	..
11	„ Arjun Prasad	..	..	5-12-62	..
12	„ Prem Sagar	..	..	5-12-62	..

The 17th April 1963

No. **HPB/GAZ/60**—Shri V. S. Sundara Rajan, Office Superintendent, COS's Office has been appointed to officiate as Assistant Stores Officer (Class II) from 4th March 1963.

Shri R. Sethuraman, Head Clerk, CE's Office has been appointed to officiate as Assistant Personnel Officer (Class II) from 11th March 1963.

RATAN LALL
General Manager

SOUTH EASTERN RAILWAY

NOTIFICATION

Calcutta 43, the 18th April 1963

No. **E/618**—Shri H. K. Roy Chowdhury, officiating Asstt. Engineer (Class II), is appointed to officiate in senior scale as District Engineer, Construction Department with effect from 1st April 1963.

G. D. KHANDELWAL
General Manager

OFFICE OF THE REGISTRAR OF COMPANIES

NOTIFICATIONS

Patna, the 15th April 1963

In the matter of the Companies Act, 1956, and of Trades and Industries Bihar Private Limited

No. **22(336)/271**—Notice is hereby given pursuant to sub-section (5) of section 560 of the Companies Act, 1956, that the name of Trades and Industries Bihar Private Limited has this day been struck off the Register and the said company is dissolved.

R. P. KHANDPUR
Registrar of Companies
Bihar

Patna, the 15th April 1963

In the matter of the Companies Act, 1956, and of Tatanagar Engineering Works and Foundry Private Limited

No. **21(628)/270**—Notice is hereby given pursuant to sub-section (5) of section 560 of the Companies Act, 1956, that the name of Tatanagar Engineering Works and Foundry Private Limited has this day been struck off the Register and the said company is dissolved.

R. P. KHANDPUR
Registrar of Companies
Bihar

Ahmedabad, the 15th April 1963

In the matter of the Companies Act, 1956, and of Shah Finance Private Limited

No. **872/560**—Notice is hereby given pursuant to sub-section (3) of section 560 of the Companies Act, 1956, that at the expiration of three months from the date hereof the name of Shah Finance Private Limited, unless cause is shown to the contrary, will be struck off the Register and the said company will be dissolved.

M. A. RASHEED
Registrar of Companies
Gujarat

Calcutta, the 17th April 1963

In the matter of Indian Companies Act, 1913 and In the matter of Nationalists Limited

No. **L/12685/D (Liqn)**—Notice is hereby given pursuant to section 172(2) of the Indian Companies Act, 1913 that an order for winding up of the abovenamed company was made by the Hon'ble High Court, Calcutta on 18th July 1955 and the Official Receiver, High Court, Calcutta was appointed the Official Liquidator.

The abovestated order has been filed with this office on 5th September 1962.

H. S. KAMLANI
Addl. Registrar of Companies
West Bengal, Calcutta

Hyderabad, the 17th April 1963

In the matter of the Companies Act, 1956 and of The Andhra Navigation & Commercial Syndicate Limited

No. **443/T**—Notice is hereby given pursuant to sub-section (5) of Section 560 of the Companies Act 1956, that the name of The Andhra Navigation & Commercial Syndicate Limited has this day been struck off the Register and the said Company is dissolved.

P. K. MAJUMDAR
Registrar of Companies
Andhra Pradesh

Bombay, the 18th April 1963

In the matter of the Companies Act, 1956 and of M/s Urmi Cheese & Chemicals Ltd.

No. **11970/Liq**—Notice is hereby given pursuant to Section 445(2) of the Companies Act, 1956, that M/s Urmi Cheese & Chemicals Ltd., has been ordered to be wound up by an order dated 4th February 1963 passed by the High Court of Maharashtra and that the Official Liquidator attached to the High Court of Maharashtra has been appointed as the Official Liquidator of the Company.

K. K. SYED MUHAMMAD
Addl. Registrar of Companies
Maharashtra

Bombay, the 19th April 1963

**In the matter of the Companies Act, 1956 and of
Dodd & Company Private Limited**

No. 8143/560—Notice is hereby given pursuant to sub-section (3) of section 560 of the Companies Act, 1956, that at the expiration of three months from the date hereof the name of the Dodd & Company Private Limited, unless cause is shown to the contrary, will be struck off the Register and the said company will be dissolved.

K. K. SYED MUHAMMAD
Addl. Registrar of Companies
Maharashtra

Madras, the 12th April 1963

**In the matter of the Companies Act, 1956 and of
V. Arunachala Bhakthar Transports Private Limited**

No. DN/4330/62—Notice is hereby given pursuant to sub-section (5) of section 560 of the Companies Act, 1956, that the name of V. Arunachala Bhakthar Transports Private Limited has this day been struck off the Register and the said company is dissolved.

L. D. VENKATARAMAN
Asstt. Registrar of Companies
Madras

UNION PUBLIC SERVICE COMMISSION

Advertisement No. 17

Applications are invited for undermentioned posts from Indian citizens; Subjects of Sikkim; and persons of Indian Origin migrated from Pakistan with intention of permanently settling in India, subjects of Bhutan, subjects of Nepal and Tibetans who came over to India before 1st January 1962 with intention of permanently settling in India, subject to issue of certificate of eligibility in their favour. *Age limits relaxable for Government servants except where otherwise specified.* Upper age limits relaxable by 5 years for Scheduled Castes and Scheduled Tribes candidates and upto 45 years for displaced persons from Pakistan. No relaxation for others, save in exceptional circumstances, and will in no case be relaxed beyond a limit of three years. *Qualifications relaxable at Commission's discretion in case of candidates otherwise well qualified.* Particulars and application forms obtainable from Secretary, Union Public Service Commission, Post Box No. 186, New Delhi. Request for forms must specify name of post and should be accompanied by self addressed unstamped envelope for each post at least of size 9"×4" indicating thereon name of posts for which forms are required. Closing date of receipt of applications with treasury receipt or Crossed Indian Postal Order for Rs. 7.50 n.p. (Rs. 1.87 n.p. for Scheduled Castes and Scheduled Tribes) 27th May 1963 (10th June 1963 for applicants from abroad). Commission may remit genuinely indigent and bonafide displaced persons' fee. Separate application with separate fee required for each post. Candidates abroad may apply on plain paper if forms are not available and deposit fee with local Indian Embassy. If, required candidates must appear for personal interview.

1. *One Assistant Research Officer for the Historical Division of the Ministry of External Affairs.* Post permanent. Pay—Rs. 350—25—500—30—590—30—800. Higher initial pay to specially qualified and experienced candidate. Age—30 years and below. *Qualifications—Essential*—1. At least second class Master's or equivalent Honours Degree in History or Political Science or International Affairs of a recognised University. 2. Knowledge of any of the European or African languages.

2. (a) 13 *Medical Officers and (b) one Lady Medical Officer (Assistant Surgeon, Grade I), Medical Department, Dandakaranya Project.* Posts temporary but likely to continue for about 3 years. Pay—Rs. 325—25—500—30—590—EB—30—800 plus non-practising allowance @ 25 per cent of pay subject to a minimum of Rs. 150 p.m. Private practice of any kind not allowed. Higher initial pay to specially qualified and experienced candidates. Age—35 years and below. *Qualifications—Essential*—(i) A medical qualification included in the First or Second Schedule or Part II of Third Schedule to the Indian Medical Council Act, 1956. Persons possessing qualifications included in Part II of Third Schedule should also fulfil the conditions relating to Registration specified in Section 13(3) of the

Act. (ii) About two years' experience as House Surgeon or in private practice.

3. *Five Provident Fund Inspectors (Grade I) in the Regional Offices of Employees Provident Fund Organisation, Ministry of Labour and Employment.* (One each for Andhra Pradesh, Gujarat, Kerala, Delhi and West Bengal). Posts temporary but likely to continue and become permanent eventually. Pay—Rs. 350—25—500—30—590—EB—30—800. Age—40 years and below. *Qualifications—Essential*—1. At least 2nd Class Degree in Economics or Commerce or Law of a recognised university. Or Chartered Accountant. 2. About 3 years' actual experience as a Chartered Accountant or in a Bank in managerial capacity or in a commercial firm of standing or at the Bar with good knowledge of Income-tax Law and Company Finance. 3. Working knowledge of Telugu/Gujarati/Malayalam/Hindi/Bengali.

4. *One Senior Scientific Officer, Grade I, Defence Research and Development Council, Ministry of Defence.* Post temporary but likely to become permanent. Reserved for Scheduled Castes/Tribes candidates if such suitable candidate available; otherwise treated as unreserved. Pay—Rs. 700—50—1,250. Higher initial pay to specially qualified and experienced candidate. Age—45 years and below including Government servants. *Qualifications—Essential*—(i) At least a second class degree in Civil Engineering or equivalent. (ii) About three years' experience in soil mechanics.

5. *One Librarian under the Ministry of Home Affairs.* Post temporary but likely to continue and be retained on permanent basis. Other things being equal, preference will be given to Scheduled Castes/Tribes candidate. Pay—Rs. 350—25—500—30—590—EB—30—800—EB—30—830—35—900. Higher initial pay to specially qualified and experienced candidate. Age—35 years and below. *Qualifications—Essential*—(i) Master's degree of a recognised University or Institute or equivalent. (ii) Degree or Diploma in Librarianship of a recognised University or Institution; (iii) About 5 years' experience in a Library of standing.

6. *One Freight Investigating Officer, Freight Investigation Bureau, Ministry of Transport and Communications.* Post temporary but likely to continue on long term basis. Pay—Rs. 590—30—830—35—900. Higher initial pay to specially qualified and experienced candidate. Age—35 years and below. *Qualifications—Essential*—1. Degree of a recognised University. 2. About three year's experience, in a responsible position, either in a Government Office, Shipping Company or a Mercantile firm involving work relating to Shipping.

7. *One Reader in Orthopaedic Surgery, Medical College, Pondicherry.* Post temporary but likely to be made permanent. Pay—Rs. 570—30—600—35—670—EB—35—950 plus non-practising allowance @ 25 per cent of pay subject to a minimum of Rs. 150 p.m. Private practice of any kind not allowed. Higher initial pay to specially qualified and experienced candidate. Age—45 years and below. *Qualifications—Essential*—(i) A medical qualification included in the First or the Second Schedule or Part II of the Third Schedule (other than licentiate qualifications) to the Indian Medical Council Act, 1956. Persons possessing qualifications included in Part II of the Third Schedule should also fulfil the conditions stipulated in Section 13(3) of the Act. (ii) A post-graduate/research degree or diploma in Orthopaedics, e.g. M.S., F.R.C.S., M. Ch. (Ortho). (iii) About four years' teaching experience as Lecturer/Assistant Professor or in an equivalent post in Orthopaedic Surgery in a medical teaching institution.

8. *One Junior Staff Surgeon (Eye), Contributory Health Service Scheme, Directorate General of Health Services, New Delhi.* Post temporary but likely to continue. Pay—Rs. 375—25—500—30—590—EB—30—800—EB—35—900 plus non-practising allowance @ 25 per cent of pay subject to a minimum of Rs. 150 p.m. Private practice of any kind not allowed. Higher initial pay to specially qualified and experienced candidate. Age—35 years and below. *Qualifications—Essential*—(i) A medical qualification included in First or the Second Schedule or Part II of the Third Schedule (other than licentiate qualifications) to the Indian Medical Council Act 1956. Holders of qualifications included in Part II of the Third Schedule should also fulfil the conditions stipulated in Section 13(3) of the Act. (ii) A post-graduate degree or diploma e.g., M.S., F.R.C.S. with Ophthalmology as a special subject, D.O., D.O.M.S. (iii) About 5 years' standing in the profession of which about three years must be as specialist in a hospital or as a specialist in the Armed Forces.

9. *One Port Medical Officer, Office of the Development Commissioner, Kandla.* Post permanent. Other things being equal, preference given to Scheduled Castes/Tribes candidate. Pay—Rs 260—15—440—20—500 plus non-practising allowance @ 150 p.m. fixed. (Scale of pay and dearness allowance liable to revision as a result of the recommendations of the Second Pay Commission). Private practice of any kind not allowed. Higher initial pay to specially qualified and experienced candidate. Age—40 years and below. *Qualifications—Essential—*(i) A medical qualification included in the First or Second Schedule or Part II of Third Schedule (other than licentiate qualifications) to the Indian Medical Council Act, 1956. (Holders of qualifications included in Part II of Third Schedule should also fulfil the conditions laid down in Section 13(3) of the Act). (ii) About two years' experience as House Surgeon or in private practice.

10. *One Lecturer in Civil Engineering (Drawing and Design), Delhi Polytechnic.* Post permanent but appointment will be made on temporary basis in lieu vacancy. Post reserved for Scheduled Caste candidate if such suitable candidate available, otherwise to be treated as unreserved. Pay—Rs. 375—25—500—30—590—EB—30—650. Higher initial pay to specially qualified and experienced candidate. Age—35 years and below. *Qualifications—Essential—*(i) Degree or National Diploma in Civil Engineering, or equivalent, with one year's teaching/professional experience; (or) National Certificate in Civil Engineering from a recognised Institution or equivalent, preferably in first class, with five years' teaching/professional experience.

11. *One Principal Scientific Officer, Defence Research and Development Council, Ministry of Defence.* Post temporary but likely to become permanent. Post reserved for Scheduled Caste candidate; if no such suitable candidate available, it will be treated as unreserved. Pay—Rs. 1,100—50—1,200—100—1,500. Higher initial pay to specially qualified and experienced candidate. Age—45 years and below including Government servants. *Qualifications—Essential—*(i) Master's Degree in Civil/Mechanical Engineering or equivalent. (ii) Design experience of a high order for about 5 years.

12. *One Professor of English, Indian Aid Mission, Nepal, Ministry of External Affairs.* Post temporary and the period of appointment will be 2-3 years in the first instance. Pay—Rs. 900—50—1,200 plus Nepal allowance of Rs. 350 p.m. if married, otherwise Rs. 262.50 p.m. Higher initial pay to specially qualified and experienced candidate. Age—Preferably below 50 years. *Qualifications—Essential—*(i) Doctorate in English of a recognised university, with about seven years' postgraduate (preferably research) experience. OR At least Second Class Master's or equivalent Honours Degree in English of a recognised University, with about ten years' post-graduate experience, and some publications to his credit. (ii) Knowledge of Middle English.

13. *One Chief River Surveyor for Hydrographic Survey Organisation, Ministry of Irrigation and Power.* Post temporary but likely to continue. Other things being equal, Scheduled Castes/Tribes candidates would be preferred. Pay—Rs. 1,300—60—1,600. Higher initial pay to a specially qualified and experienced candidate. Age—40 years and below for all including Government servants. *Qualifications—Essential—*(i) First Class certificate from Training Ship 'Dufferin'. (ii) Sound knowledge of general ship work, seamanship and meteorology. (iii) At least 10 years' experience in hydrographic surveys of rivers/ports. Should have carried out independent river surveys for at least 5 years.

PART 'B'

Applications on PLAIN paper are invited from Indian Citizens. Subjects of Sikkim; and persons of Indian Origin migrated from Pakistan with intention of permanently settling in India, subjects of Bhutan, subjects of Nepal and Tibetans who came over to India before 1st January 1962 with intention of permanently settling in India, subject to issue of certificate of eligibility in their favour, for the following posts for Indian Ordnance Factories Service. Class I:—(a) 15 Assistant Managers (Mechanical Engineer) (b) 5 Assistant Managers (Electrical Engineer) (number of vacancies likely to increase). The applications should be accompanied by Treasury Receipt or Crossed Indian Postal Orders for Rs 750 nP. (Rs. 187 for Scheduled Castes/Tribes) payable to Secretary, Union Public Service Commission, New Delhi and should reach the office of the Commission on or before the 13th May 1963. The applications should give the following particulars—(i) Name; (ii) Date of birth; (iii) Academic qualifications with Class and distinction; (iv) Details of experience giving the names of the

organisations where the candidate worked and the periods for which he worked in various capacities; (v) salary drawn at present and the scale admissible. The particulars given in application should be supported by copies of certificates, documents, testimonials etc. Persons already in Government service, and persons employed by quasi-Government organisations, whether in a permanent, quasi-permanent or temporary capacity and persons in private employment must apply through their employers. The candidates should complete the prescribed application forms and produce the originals of the certificates and other documents in the Commission's office when they are called for interview. Some posts are reserved for Scheduled Caste/Tribe candidates, but if no such candidate is available, posts will be treated as unreserved. The posts are permanent and carry the following scale of pay—Rs. 400—400—450—30—600—35—670—EB—35—950. Age—25 years and below. Age limits relaxable in the case of Scheduled Castes/Tribes candidates displaced persons from Pakistan and employees of the Government of Burma discharged owing to constitutional changes in that country and in exceptional circumstances in respect of other candidates. *Qualifications—For post (a)—*Degree in Mechanical Engineering from a recognised University or equivalent. *For post (b)—*Degree in Electrical Engineering from a recognised University or equivalent.

NOTICE

RECRUITMENT TO PROGRAMME EXECUTIVES, ALL INDIA RADIO

It is notified for general information that written test in connection with the above recruitment will be held on 21st May, 1963. The centre and the venue of the test has been notified to each candidate admitted to the test. Candidates who wish to make any enquiries may write to the Secretary, Union Public Service Commission, New Delhi.

ENGINEERING SERVICES EXAMINATION, 1963

The UNION PUBLIC SERVICE COMMISSION will hold a combined competitive examination at Ahmedabad, Allahabad, Bangalore, Bhopal, Bombay, Calcutta, Delhi, Hyderabad, Jaipur Lucknow, Madras, Patna, Shillong and Trivandrum commencing on 16th September, 1963, for recruitment to Indian Railway Service of Engineers; Electrical Engineering, Signal Engineering, and Mechanical Engineering and Transportation (Power) Departments of the Superior Revenue Establishment of Indian Railways; Central Engineering Services, Class I and Class II. Central Electrical Engineering Services, Class I and Class II; Indian Inspection Service, Class I (Engineering Branch and Metallurgical Branch; Indian Supply Service, Class I; Telegraph Engineering Service, Class I; Indian Ordnance Factories Service, Class I; and Central Engineering Service (Roads), Class I. AGE LIMITS ON 1-8-63—21-25 years for Electrical Engineering and Signal Engineering Departments, and 20—25 years for other Services. Upper age limit relaxable in favour of Scheduled Castes, Scheduled Tribes, Bona fide displaced persons from Pakistan, residents of former French Settlements which have now become part of India, who have been receiving education through the medium of French, residents of Andaman and Nicobar Islands, repatriates from Ceylon who are Indian citizens, and certain categories of Departmental candidates. QUALIFICATIONS—A degree in Engineering or a pass in Section A and B of A.M.I.E. (India) or equivalent. A Pass in the Graduate Membership Examination of the Institution of Tele-communication Engineers (India) or a pass in the Graduate Membership Examination of the British Institution of Radio Engineers London, held after November, 1959 acceptable for certain Services. Graduate Membership Examination of the British Institution of Radio Engineers, held prior to November 1959, also acceptable subject to certain conditions. Full particulars and application forms obtainable from Secretary Union Public Service Commission, Dholpur House, D.H.Q. P.O., New Delhi-11, by remitting Re. 1.00 by money order or on cash payment at the counter. Candidates must clearly state on money order coupons "Engineering Services Examination, September, 1963" and also give their names and full postal addresses in block letters. Postal Orders or cheques or currency notes not acceptable in lieu of money orders. Completed applications must reach Union Public Service Commission by 24th June, 1963 (8th July, 1963, in case of candidates residing abroad and those residing in Andaman & Nicobar Islands).

M. N. PATNAIK

Deputy Secretary

Union Public Service Commission

NOTICE

New Delhi, the 27th April 1963

No. F. 2-14/62-EI (B)—A competitive examination for recruitment to (1) the Indian Railway Service of Engineers, (2) the Electrical Engineering Department of the Superior Revenue Establishment of Indian Railways, (3) the Signal Engineering Department of the Superior Revenue Establishment of Indian Railways, (4) the Mechanical Engineering and Transportation (Power) Department of the Superior Revenue Establishment of Indian Railways, (5) the Central Engineering Services, Class I and Class II, (6) the Central Electrical Engineering Services, Class I and Class II, (7) the Indian Inspection Service, Class I (Engineering Branch and Metallurgical Branch) (8) the Indian Supply Service, Class I, (9) the Indian Ordnance Factories Service, Class I, (10) the Telegraph Engineering Service, Class I, and (11) the Central Engineering Service (Roads), Class I will be held by the Union Public Service Commission at AHMEDABAD, ALLAHABAD, BANGALORE, BHOPAL, BOMBAY, CALCUTTA, DELHI, HYDERABAD, JAIPUR, LONDON, MADRAS, PATNA, SHILLONG and TRIVANDRUM commencing on the 16th September, 1963 under the rules published by the Ministry of Railways (Railway Board) in their Notifications No. E (GR) 62RR2, No. E (GR) 62RR6, No. E (GR) 62RR4, and No. E (GR) 62RR7, dated 28th April, 1962; by the Ministry of Works, Housing and Supply in their Notifications No. 15(4)/60EWI(I) and No. 15(4)/60-EWI(II), dated 10th February, 1961 and No. 15(5)/58-DWI(III) and No. 15(4)/60-EWI(III), dated 31st December, 1958 and 10th February, 1961 respectively; by the Ministry of Economic and Defence Co-ordination (Department of Supply) in their Notifications No. 49/9/61-ESI, dated 14th January, 1963, and No. 35/9/61-ESI, dated 20th March, 1963; by the Ministry of Defence in their Notification No. 783-A, dated 16th April, 1962; by the Ministry of Transport and Communications (Department of Communications) in their Notification No. 5/4/59-STA, dated 4th January, 1960 and by the Ministry of Transport and Communications (Department of Transport) (Roads Wing) in their Notification No. A-1(39)/60, dated 20th December, 1960 as amended from time to time. The Notifications of the Ministry of Railways have been published in the Gazette of India dated the 28th April, 1962, the Notifications of the Ministry of Works, Housing and Supply dated 10th February, 1961 and dated 31st December, 1958 have been published in the Gazette of India dated the 25th February, 1961 and 10th January, 1959 respectively, and the Notifications of the Ministry of Economic and Defence Co-ordination (Department of Supply) dated 14th January, 1963 and dated 20th March, 1963 have been published in the Gazette of India dated 26th January, 1963 and 30th March, 1963, respectively. The Notification of the Ministry of Defence dated 16th April, 1962 has been published in the Gazette of India, dated the 21st April, 1962. The Notification of the Ministry of Transport and Communications (Department of Communications) dated 4th January 1960 has been published in the Gazette of India dated 16th January, 1960. The Notification of the Ministry of Transport and Communications (Department of Transport) (Roads Wing) dated 20th December, 1960, has been published in the Gazette of India dated 31st December, 1960.

Candidates accepted for admission to the examination will be informed at what place, at what time and on what dates they should present themselves.

The centres are liable to be changed at the discretion of the Commission.

Candidates who qualify for the Indian Railway Service of Engineers or the Signal Engineering Department or the Electrical Engineering Department or the Mechanical Engineering and Transportation (Power) Department may also be appointed to the Stores Department of the Superior Revenue Establishment of Indian Railways.

Candidates having degree in Metallurgy, who qualify on the results of this examination, may also be considered for appointment to the grade of Assistant Manager (Probationary/Metallurgist) in the Indian Ordnance Factories Service, Class I, under the Ministry of Defence (See Annexure III).

Candidates having degree in Mechanical Engineering of equivalent qualification (*vide* paragraph 6 of the Compendium of rules), who qualify on the result of this examination may also be considered for appointment to posts of Assistant Drilling Engineer (Class I) in the Geological Survey of India and the Indian Bureau of Mines, under the Ministry of Steel, Mines and Fuel (Department of Mines and Fuel) (See Annexure III).

On the result of the examination recruitment will also be made to posts of Assistant Director/Assistant Executive Engineer/Research Officer in the Central Water and Power Commission (Water Wing), Engineering Service Class I, and Central Water and Power Commission (Power Wing), Engineering Service Class I, under the Ministry of Irrigation and Power. Candidates who qualify on the basis of the schemes of the examination prescribed in respect of Indian Railway Service of Engineers or Central Engineering Service, Class I/Electrical Engineering Department/Mechanical Engineering and Transportation (Power) Department will be eligible for appointment to the three categories of posts, Civil or Electrical or Mechanical, as the case may be, in the two services. (See Annexure III).

Candidates who qualify in the Examination may also be considered for other permanent/temporary posts under the Central Government (*vide* para. 9 of the Annexure III) requiring similar educational qualifications.

2. The approximate number of vacancies in the various services/posts for which recruitment is to be made on the basis of this examination is given below:—

(i) The Indian Railway Service of Engineers ..	30
(ii) The Electrical Engineering Department ..	12
(iii) The Signal Engineering Department ..	12
(iv) The Mechanical Engineering and Transportation (Power) Department	6
(v) The Stores Department	8
(vi) The Central Engineering Service Class I ..	15
(vii) The Central Engineering Service, Class II ..	44
(viii) The Central Electrical Engineering Service, Class I	5
(ix) The Central Electrical Engineering Service, Class II	9
(x) The Indian Inspection Service, Class I (Engineering Branch and Metallurgical Branch) ..	5
(xi) The Indian Supply Service, Class I ..	2
(xii) The Indian Ordnance Factories Service, Class I	22
(xiii) The Telegraph Engineering Service, Class I ..	40
(xiv) The Central Engineering Service (Roads), Class I	1
(xv) The post of Assistant Manager (Probationary/Metallurgist) in the Indian Ordnance Factories Service, Class I	8
(xvi) The post of Assistant Drilling Engineer, Class I in the Geological Survey of India and Indian Bureau of Mines	5
(xvii) The post of Assistant Director/Assistant Executive Engineer/Research Officer in the Central Water & Power Commission ..	29

The vacancies shown against the Services/Posts at items (i), (ii), (iii), (iv), (v), (vi), (viii), (xi), (xii), and (xv) above are permanent.

Of the 44 vacancies in the Central Engineering Service, Class II, 14 vacancies are permanent and 30 are temporary.

Of the 9 vacancies in the Central Electrical Engineering Service, Class II, 2 vacancies are permanent and 7 are temporary.

Of the five vacancies in the Indian Inspection Service, Class I, one vacancy is permanent and four are temporary. Of these vacancies, 3 are in the Engineering Branch and 2 in the Metallurgical Branch. Of the 3 vacancies in the Engineering Branch, 1 will be filled on the basis of Plan 1 and the remaining 2 on the basis of Plan 2 (See item I of Appendix II).

Of the 2 vacancies in the Indian Supply Service, Class I, 1 vacancy each will be filled on the basis of Plan 1 and Plan 2 respectively (See item J of Appendix II).

The vacancies in the Telegraph Engineering Service, Class I, are initially temporary but are likely to be retained on permanent basis.

The vacancy in the Central Engineering Service (Roads), Class I, is temporary but it is likely to continue indefinitely.

The vacancies in the post of assistant Drilling Engineer are temporary but are likely to continue indefinitely.

The break-up and nature of the vacancies in the posts of Assistant Director/Assistant Executive Engineer/Research Officer (Civil, Electrical and Mechanical) in the Central Water and Power Commission are as follows:—

- (a) *Civil*—3 permanent vacancies.
- (b) *Electrical*—17 vacancies—2 permanent and 15 temporary.
- (c) *Mechanical*—9 temporary vacancies.

The above numbers are liable to alteration.

Appointments to these vacancies will be made with due regard to the orders regarding special representation for Scheduled Castes and Scheduled Tribes candidates.

Scheduled Castes/Tribes mean any of the Castes/Tribes mentioned in the Scheduled Castes/Tribes Lists (Modification) Order, 1956, read with Scheduled Castes and Scheduled Tribes Orders (Amendment) Act, 1956, the Constitution (Jammu and Kashmir) Scheduled Castes Order, 1956, the Constitution (Andaman and Nicobar Islands) Scheduled Tribes Order, 1959, the constitution (Dadra and Nagar Haveli) Scheduled Castes Order, 1962 and the Constitution (Dadra and Nagar Haveli) Scheduled Tribes Order, 1962.

3. The examination will be a combined one for the purpose of filling vacancies in the Services and Departments mentioned above. A candidate may apply to be admitted to one or more of these Services. Only one application need be sent in and it should be stated therein whether a candidate wishes to enter for one or more services or Departments. He will be required to pay the fees mentioned in the Compendium of the Rules mentioned in paragraph 4 below once only and will not be required to pay separate fees for each service or Department for which he applies. The Government of India may assign a successful candidate to any Service for which he applies. The Government of India may assign a successful candidate to any service for which he is competing on a consideration of all the circumstances including any personal preference expressed by the candidate.

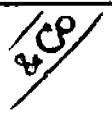
Para. 5 of the Compendium of Rules for this examination specifies the number of examinations that certain categories of candidates are eligible to take. Since this is a combined examination, a candidate who takes the examination once, whether for one or more services, will be considered to have taken one examination for all the services mentioned in para. 1 above, for which he is eligible.

4. Applications with connected papers should be submitted in accordance with the Instructions to Candidates contained in Annexure I and should reach the Union Public Service Commission on or before 24th June, 1963.

Applications from candidates residing abroad and those residing in Andaman and Nicobar Islands will, however, be accepted upto 8th July, 1963 as a special case. (This is applicable to persons actually residing abroad or in Andaman and Nicobar Islands at the time of submitting their applications).

Copies of the application form and other connected papers may be obtained direct from the Secretary, Union Public Service Commission, Dholpur House, D.H.Q. P.O., New Delhi-11 on payment of Re. 1.00 nP. which should be remitted to the Commission by money order stating the name of this examination. This amount will be refunded to those candidates whose claim to be displaced persons from Pakistan is accepted by the Commission on receipt of their applications. Candidates will not be supplied with copies of the complete rules, but only with Compendium of Rules which will contain essential conditions of eligibility.

THE REMAINING FEE (SEE APPENDIX III OF THE COMPENDIUM OF RULES) SHOULD BE PAID EITHER BY TREASURY RECEIPT OR BY INDIAN POSTAL ORDERS WITH THE APPLICATION. EACH POSTAL ORDER SHOULD INVARIABLY BE CROSSED AS SHOWN BELOW.

	POSTAL ORDER
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AND COMPLETED AS FOLLOWS:—

“PAY TO THE SECRETARY, UNION PUBLIC SERVICE COMMISSION AT NEW DELHI POST—OFFICE—CROSSED”.

CANDIDATES MUST NOTE THAT IT IS NOT SAFE TO SEND POSTAL ORDERS WHICH ARE NEITHER CROSSED NOR MADE PAYABLE TO THE SECRETARY, UNION PUBLIC SERVICE COMMISSION AT NEW DELHI POST OFFICE. FULL PARTICULARS OF THE TREASURY RECEIPT OR POSTAL ORDERS, AS THE CASE MAY BE, SHOULD BE ENTERED AGAINST COLUMN 29(a) OF THE APPLICATION FORM.

5. No allegation that an application form or a letter in respect of such a form has been lost or delayed in the post will be considered, unless the person making such an allegation produces post office registration receipt. Candidates who send their applications or requests for forms at a late date will do so at their own risk.

6. If any candidate who took the Engineering Services Examination held in September, 1962, wishes to apply for admission to this examination, he must submit his application by the prescribed date without waiting for the results or an offer of appointment. If he secures an appointment on the results of the 1962 examination, his candidature for this examination will be cancelled on request and the fee refunded to him in full.

7. All communications in respect of an application, should be addressed to the Secretary, Union Public Service Commission, Dholpur House, D.H.Q.P.O., New Delhi-11 and should contain the following particulars:—

NAME OF EXAMINATION
 MONTH AND YEAR OF EXAMINATION
 ROLL NUMBER (if communicated to the candidate).
 NAME OF CANDIDATE
 ADDRESS AS GIVEN IN APPLICATION.

Communications not giving these particulars may not be attended to. In all correspondence with the Union Public Service Commission concerning this examination, candidates should invariably superscribe their envelopes and correspondence with the words “ENGINEERING SERVICES EXAMINATION, 1963”.

HARISH CHANDRA
Deputy Secretary
Union Public Service Commission

ANNEXURE I

Instructions to Candidates regarding Filling and Submission of Applications

1. A copy each of the Notice, the Compendium of Rules, the Application Form and other papers relating to the examination are obtainable from the office of the Union Public Service Commission in accordance with para. 4 of the Notice. Candidates should consult them to see if they are eligible before filling up the application form or paying the prescribed fee. The conditions prescribed cannot be relaxed.

BEFORE SUBMITTING THE APPLICATION [CANDIDATES MUST SELECT FINALLY FROM AMONG THE CENTRES GIVEN IN PARAGRAPH I OF THE NOTICE. THE PLACE AT WHICH THEY WISH TO APPEAR FOR THE EXAMINATION. ORDINARILY NO REQUEST FOR A CHANGE IN THE PLACE SELECTED WILL BE ENTERTAINED.

2. The application form must be filled in the candidate's own handwriting and all answers should be given in word. It should be submitted direct to the Secretary, Union Public Service Commission, Dholpur House, D.I.I.Q.—P.O., New Delhi-11.

A candidate already in Government Service, whether in a permanent or temporary capacity, must submit his application through the Head of his Department or office concerned who will, if he considers the candidate eligible for the examination forward it to the Union Public Service Commission with his recommendations (*vide* last page of the application form).

Applications from all other candidates, whether in private employment or in Government owned industrial undertakings or other similar organisations, can be entertained direct. If such a candidate forwards his application through his employer and it reaches the Union Public Service Commission late, the application, even if submitted to the employer before the closing date, will not be entertained.

No application received by the Commission after the date prescribed in the Notice will be accepted.

3. Candidates are warned that they should not furnish any particulars that are false or suppress any material information in filling up the application form.

4. A candidate must send the following documents with his application:—

- (i) A Treasury Receipt or CROSSED Indian postal orders payable to the Secretary, Union Public Service Commission at New Delhi Post Office for Rs. 81.50 (Rs. 19.62 in the case of candidates belonging to the Scheduled Castes and Scheduled Tribes).
- (ii) A CERTIFICATE OF AGE.
- (iii) A CERTIFICATE OF CHARACTER.
- (iv) A CERTIFICATE OF EDUCATIONAL QUALIFICATION.
- (v) TWO COPIES OF RECENT PASSPORT SIZE (2" x 2½" approx.) PHOTOGRAPH OF THE CANDIDATE.
- (vi) IN THE CASE OF CANDIDATES OFFERING SURVEYING AS AN OPTIONAL OR COMPULSORY SUBJECT, A CERTIFICATE IN ORIGINAL WITH A COPY THEREOF, SHOWING THAT THE CANDIDATE HAS UNDERGONE SATISFACTORY TRAINING IN SURVEYING INCLUDING PRACTICAL SURVEYING (SEE SYLLABUS).

Details of the documents mentioned in items (i), (ii), (iii), (iv) and (v) are given below:—

(i) *A Treasury Receipt or Crossed Indian Postal Order for the prescribed fee*—The amount may be deposited in the nearest Government Treasury, or in a branch of the State Bank of India, or in a State Treasury authorised to transact business on behalf of Government (Amount deposited at Bombay, Calcutta, Delhi or Madras should be deposited in the Reserve

Bank of India instead of in the State Bank of India). The Treasury or Bank should be asked to credit it to the account head "XXI—Miscellaneous Department Examination fees. Receipts of the Union Public Service Commission". The name of the examination and of the treasury at which the fee is deposited should be clearly entered in the treasury receipt. The treasury receipt should be on the form pertaining to Central Government transactions and should be obtained from the treasury at which the fee is deposited. If, however, the blue form is not available in the treasury the ordinary form hitherto employed should be used.

All Postal Orders should bear the signature of the issuing Post Master and a clear stamp of the issuing Post Office. All Postal Orders should be CROSSED and completed as follows:

"Pay to the Secretary, Union Public Service Commission at New Delhi Post Office (CROSSED)". In no case will Postal Orders payable at any other Post Office be accepted. Defaced or mutilated Postal Orders will also not be accepted.

NOTE 1.—Candidates residing abroad at the time of submitting their applications should deposit the amount of the prescribed fee (the equivalent fee of Rs. 82.50, Rs. 20.62 in the case of candidate belonging to the Scheduled Castes and Scheduled Tribes) in the office of India's High Commissioner, Ambassador or Representative, as the case may be, in that country and forward the receipt from that office with the application.

NOTE 2.—Cash or cheques will not be accepted by the Union Public Service Commission.

NOTE 3.—AN APPLICATION NOT ACCOMPANIED BY A TREASURY RECEIPT OR CROSSED INDIAN POSTAL ORDERS FOR THE PRESCRIBED FEE WILL BE SUMMARILY REJECTED. This does not apply to displaced persons seeking remission of the fee *vide* paragraph 6 below.

NOTE 4.—A candidate must send the Treasury Receipt, in original, along with his application. Duplicate/Triplicate copies of the Treasury Receipt will not be accepted.

(ii) *A Certificate of age*.—The date of birth ordinarily accepted by the Commission is that entered in the Matriculation Certificate or in the Secondary School Leaving Certificate (or in a certificate recognised by an Indian University as equivalent to Matriculation) or in an extract from a Register of Matriculates maintained by a University, which extract must be certified by the proper authority of the University. The expression "Matriculation Certificate" in this part of the instruction must be understood as including these alternative certificates.

Candidates will thus understand that the Matriculation Certificate is required in all cases as evidence of age, and it must invariably be sent to the Commission in original with a copy thereof, together with the application.

Sometimes the Matriculation or equivalent Certificate does not show the date of birth, or only shows the age by completed years or completed years and months. In such cases a candidate must send, in addition to the Matriculation or equivalent certificate, an original certificate, together with a copy thereof, from the Headmaster/Principal of the institution from where he passed the Matriculation or equivalent examination, showing the date of his birth or his exact age as recorded in the Admission Register of the Institution.

Candidates are warned that unless complete proof of age as laid down in these instructions is sent with an application, the application may be rejected. Further they are warned that if the date of birth stated in the application is inconsistent with the age shown in the Matriculation Certificate and no explanation is offered, the application may be rejected.

NOTE 1.—A candidate who holds a completed Secondary School Leaving Certificate need submit with the original a copy of the page containing entries relating to age only.

NOTE 2.—CANDIDATES SHOULD NOTE THAT ONCE A DATE OF BIRTH HAS BEEN CLAIMED AND ACCEPTED BY THE COMMISSION FOR THE PURPOSE OF ADMISSION TO AN EXAMINATION, NO CHANGE WILL ORDINARILY BE ALLOWED AT A SUBSEQUENT EXAMINATION.

NOTE 3.—Displaced persons, who have lost their original Matriculation Certificate in Pakistan should obtain duplicate certificate from the University concerned. If they are unable to obtain the duplicate Matriculation Certificate from the University, they should submit an extract from the University Gazette in which their results were published showing their date of birth and certified by the Registrar or the Headmaster.

(iii) *A Certificate of character*—A candidate must submit a certificate of character, in original, together with a copy thereof from some person in authority (e.g., Principal, Proctor, Dean, etc.) at an educational institution which he is attending or has attended for at least one year during the three years immediately preceding the date of his application.

The signatory of the certificate should give his designation in full.

NOTE 1.—Candidates who have not attended any educational institution for at least one academic year within three years of the date of submission of their applications may submit a certificate of character, in original, with a copy thereof, from a Gazetted officer in service.

NOTE 2.—Only one certificate of character is required.

(iv) *A certificate of Educational Qualification*.—A candidate must submit a certificate or diploma, in original with a copy thereof, showing that he has one of the qualifications prescribed in the Rules. The certificate submitted must be one issued by the authority (i.e., University or other examination body) awarding the particular qualification. If such a certificate or diploma is not submitted the candidate must explain its absence, and submit such other evidence in original as he can to support his claim to the requisite qualifications. The Commission will consider this evidence on its merits but do not bind themselves to accept it as sufficient.

NOTE.—A Candidate who has appeared at an examination the passing of which would render him eligible to appear at this examination, but has not been informed of the result, may apply for admission to the examination. The candidate who intends to appear at such a qualifying examination may also apply, provided that the qualifying examination is completed before the commencement of this examination. Such candidates will be admitted to the examination, if otherwise eligible, but the admission would be deemed to be provisional and subject to cancellation if the candidates do not produce proof of having passed the examination, as soon as possible, and in any case not later than two months after the commencement of this examination.

(v) *Photographs*—Candidates must submit two passport size (2"×2½" approx) copies of their recent photograph one of which should be pasted on the first page of the application form and the other copy should be firmly attached to the application form. Each copy of the photograph should be signed in ink on the front by the candidate.

N.B.—Candidates are warned that if an application is incompletely or wrongly filled or is not accompanied by any one of the documents mentioned under 4(ii), 4(iii), 4(iv), 4(v) and 4(vi) above without a reasonable explanation for its absence having been given, the application is liable to be rejected and no appeal against its rejection will be entertained. The documents not submitted with the application should be sent soon after the submission of the application, and in any case they must reach the Commission's office except as provided for in Note under (iv) above, within one month after the last date for receipt of applications. Otherwise the application is liable to be rejected.

Candidates are warned that they should in no case correct or alter or otherwise tamper with an entry in the documents submitted by them nor should they submit a tampered document. If there is any inaccuracy or any discrepancy between two or more such documents an explanation regarding the discrepancy may be submitted separately.

5. A candidate who claims to belong to one of the Scheduled Castes or Scheduled Tribes should submit in support of his claim a certificate, in original in the form given below from the District Officer or the Sub-Divisional Officer or any other Officer of the district in which his parents (or surviving parent ordinarily reside, who has been designated by the State Government concerned as competent to issue such certificate; if both his parents are dead, of the district in which he himself ordinarily resides otherwise than for the purpose of his own education.

A candidate from the Delhi State may submit such a certificate also from the Additional District Magistrate or the 1st Class Stipendiary Magistrate or the Revenue Assistant.

The form of the certificate to be produced by Scheduled Caste and Scheduled Tribe candidates applying for appointment to posts under the Government of India.

This is to certify that _____ son of _____ of village District/Division _____ in the State..... belongs to the _____ community which is recognised as a Scheduled Caste/Tribe under the Scheduled Castes and Scheduled Tribes Lists (Modification) Order, 1956, read with Scheduled Castes and scheduled Tribes Orders (Amendment) Act, 1956, the Constitution (Jammu and Kashmir) Scheduled Castes Order, 1956, the Constitution (Andaman and Nicobar Islands) Scheduled Tribes Order, 1959, the Constitution (Dadra and Nagar-Haveli) Scheduled Castes Order, 1962 and the Constitution (Dadra and Nagar Haveli) Scheduled Tribes Order, 1962.

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and/or his family ordinarily resides _____ District/Division _____ State/Union Territory. _____ Signature

Dated:

Seal:

*Designation with Seal of Office _____ State/Union Territory

NOTE.—The terms 'ordinarily' reside used here will have the same meaning as in Section 20 of the Representation of the Peoples Act, 1950.

*Officers competent to issue Caste/Tribe certificates.

1. District Magistrate/Additional District Magistrate/Collector/Deputy Commissioner/Additional Deputy Commissioner/Deputy Collector/1st Class Stipendiary Magistrate/*(Sub-Divisional Magistrate, Taluka Magistrate/Executive Magistrate) Extra Assistant Commissioner

*(Not below the rank of 1st Class Stipendiary Magistrate)

2. Chief Presidency Magistrate/Additional Chief Presidency Magistrate/Presidency Magistrate.

3. Revenue Officers not below the rank of Tehsildar.

4. Sub-Divisional Officer of the area where the candidate and/or his family normally resides.

5. Administrator/Secretary to Administrator (Lacadive and Minicoy Islands).

6.(a) A displaced person seeking remission of the prescribed fee should forward along with his application his Refugee Registration card in original, or a certificate from the District Magistrate of the area in which he may for the time being be resident to show that he is a *bona fide* displaced person and a Certificate, also in original, from a District Officer or a Gazetted Officer of Government or a Member of the Parliament or State Legislature to show that he is not in a position to pay the prescribed fee.

(b) A displaced person claiming age concession under paragraph 5(b) of the Compendium of Rules should produce, in original, satisfactory evidence of being a *bona fide* displaced person *e.g.*, Registration Card or a Certificate from the District Magistrate of the area in which he may for the time being be resident.

(c) A candidate from the former French Settlements which have now become part of India, claiming age concession under paragraph 5(b) of the Compendium of Rules should produce, in original, a certificate from the Principal of the College he has graduated/will graduate from to show that he has been receiving education through the medium of French.

(d) A candidate claiming age concession as a repatriate from Ceylon under paragraph 5(b) of the Compendium of Rules should produce, in original, a certificate from the High Commission for India in Ceylon stating that he is an Indian Citizen who has come to India under the Repatriation Scheme of the Government of Ceylon.

7. (a) A person in whose case a certificate of eligibility is required should apply to the Government of India, Ministry of Railways/Works, Housing and Rehabilitation/Economic and Defence Co-ordination/Defence/Transport and Communications, for issue of the required certificate of eligibility in his favour.

(b) If a certificate of eligibility is not necessary in the case of a person who has migrated from Pakistan he should produce an affidavit sworn before a first class Magistrate in one of the following forms, whichever may be applicable to him.

1. "I declare that I migrated to India from areas which now form Pakistan before the 19th July, 1948, and have ordinarily been resident in India since then."
2. "I declare that I migrated to India from areas which now form Pakistan after 18th July, 1948, and have ordinarily been resident in India since then and I further declare that I have got myself registered as a citizen of India".
3. "I declare that I migrated to India from Pakistan and entered the Union Services without a certificate of eligibility before the commencement of the Constitution, *i.e.*, 26th January, 1950, and am continuing in such service since then without a break".

8. THE CERTIFICATES MENTIONED IN PARAGRAPHS 4(ii), 4(iii), 4(iv), 4(vi), 5, 6 and 7(b) ABOVE SHOULD INVARIABLY BE SENT IN ORIGINAL. THE COMMISSION DO NOT ACCEPT ONLY COPIES OF THESE CERTIFICATES, WHETHER ATTESTED OR OTHERWISE.

The original of the certificate forwarded in accordance with paragraphs 4(ii), 4(iii), 4(iv), 4(vi), 5, 6 and 7(b) will be returned when the result of the application is communicated. CANDIDATES ARE ADVISED TO KEEP ATTESTED COPIES OF THEIR CERTIFICATES BEFORE SUBMITTING THEM TO THE COMMISSION. THE COMMISSION CANNOT RETURN THE CERTIFICATE EARLIER THAN THE DATE OF COMMUNICATION OF THE RESULT OF THE APPLICATION FOR WHATEVER PURPOSE THEY MAY BE REQUIRED, NOR CAN THEY SUPPLY ATTESTED COPIES.

If a candidate has already submitted the certificates required in paragraphs 4(ii), 4(iii), 4(iv), 4(vi), 5, 6 and 7 (b) above in connection with another examination conducted by the Union Public Service Commission and if they have not yet been returned to him, he should mention the fact when submitting his application, and if possible enclose a copy of each certificate. If the certificates are not with the Commission, they should be sent with the application, irrespective of whether the candidate appeared at a previous examination conducted by the commission or not. If a certificate cannot be submitted with the application, a reasonable explanation for its absence must be given with the application.

9. The fact that an application form has been supplied on a certain date, will not be accepted as an excuse for the late submission of an application. The supply of an application form does not *ipso facto* make the receiver eligible for admission to the Examination.

10. If a candidate does not receive an acknowledgment of his application within a fortnight from the last date of receipt of applications for the Examination, he should at once contact the Commission for the acknowledgment.

11. Every candidate for admission to this Examination will be informed at the earliest possible date of the result of his application. It is not, however, possible to say when the result will be communicated. But if a candidate does not receive from the Union Public Service Commission a communication regarding the result of his application one month before the commencement of the Examination, he should at once contact the Commission for the result. Failure to comply with this provision will deprive the candidate of any claim to consideration.

All returnable certificates or papers will be returned when the result of his application is communicated.

12. No candidate shall be admitted to the Examination, unless he holds a certificate of admission from the Commission.

13. Candidates must pay the fees prescribed in Appendix III of the Compendium of Rules. No claim for a refund of the fees will be entertained except to the extent stated in that Appendix nor can the fees be held in reserve for any other examination or selection.

14. All candidates who are declared qualified for the personality Test will be physically examined at the place where they are summoned for interview, either immediately before or after the interview. Candidates will have to pay a fee of Rs. 16.00 nP. to the Medical Board. The fact that a candidate has been physically examined will not mean or imply that he will be considered for appointment. Candidates are advised to consult a Government Medical Officer of the standing of a Civil Surgeon as to their physical fitness before entering for the Examination. Particulars of the nature of the medical test to which candidates will be subjected before appointment and of the standards required are given in Appendix IV of the documents which will be supplied to candidates *vide* sub-para. 2 of para 4 of the Notice. These regulations are published for the convenience of candidates and in order to enable them to ascertain the probability of their coming up to the required physical standard but they are not intended to restrict the discretion of Medical Examiners in any way.

15. Copies of pamphlets containing the Rules and the question papers of the Engineering Services Examination held previously by the Union Public Service Commission are on sale by the Manager of Publications, Civil Lines, Delhi 6 and may be obtained from him direct.

16. *Communications regarding applications*—ALL 'COMMUNICATIONS IN RESPECT OF AN APPLICATION SHOULD BE ADDRESSED TO THE SECRETARY, UNION PUBLIC SERVICE COMMISSION, DHOLPUR HOUSE, D.H.Q.P.O., NEW DELHI-11, AND SHOULD INVARIABLY CONTAIN THE FOLLOWING PARTICULARS—

1. NAME OF EXAMINATION.
2. MONTH AND YEAR OF EXAMINATION.
3. ROLL NUMBER, (if communicated to the candidate).
4. NAME OF THE CANDIDATE (IN BLOCK CAPITALS).
5. ADDRESS AS GIVEN IN THE APPLICATION.

N.B.—COMMUNICATIONS NOT GIVING THE ABOVE PARTICULARS MAY NOT BE ATTENDED TO.

17. *Change in address*—A CANDIDATE MUST SEE THAT COMMUNICATIONS SENT TO HIM AT THE ADDRESS STATED IN HIS APPLICATION ARE REDIRECTED IF NECESSARY. CHANGE IN ADDRESS SHOULD BE COMMUNICATED TO THE COMMISSION AT THE EARLIEST OPPORTUNITY GIVING THE PARTICULARS MENTIONED IN PARAGRAPH 16 ABOVE. ALTHOUGH THE COMMISSION MAKE EVERY EFFORT TO TAKE ACCOUNT OF SUCH CHANGES THEY CANNOT ACCEPT ANY RESPONSIBILITY IN THE MATTER.

ANNEXURE II

COMPENDIUM OF RULES

1. The examination will be held for recruitment to vacancies in the following Services:—

- (i) Indian Railway Service of Engineers.
- (ii) Electrical Engineering Department of the Superior Revenue Establishment of Indian Railways.
- (iii) Signal Engineering Department of the Superior Revenue Establishment of Indian Railways.
- (iv) Mechanical Engineering and Transportation (Power) Department of the Superior Revenue Establishment of Indian Railways.
- (v) Central Engineering Service, Class I.
- (vi) Central Engineering Service, Class II.
- (vii) Central Electrical Engineering Service, Class I.
- (viii) Central Electrical Engineering Service, Class II.
- (ix) Indian Inspection Service, Class I, (Engineering Branch and Metallurgical Branch).
- (x) Indian Supply Service, Class I.
- (xi) Indian Ordnance Factories Service, Class I.
- (xii) Telegraph Engineering Service, Class I.
- (xiii) Central Engineering Service (Roads), Class I.

2. A candidate must apply to be admitted to the examination before such date, in such manner and in such form as the Commission may prescribe.

3. A candidate must be either—

- (i) a citizen of India, or
- (ii) a subject of Sikkim, or
- (iii) a person of Indian Origin who has migrated from Pakistan with the intention of permanently settling in India;

Provided that, subject to the issue of a certificate of eligibility in his favour, a subject of Nepal, or a subject of Bhutan or a Tibetan refugee who came over to India before the 1st January, 1962, with the intention of permanently settling in India, may also be appointed to any service or post.

Provided further that a candidate belonging to category (iii) above must be a person in whose favour a certificate of eligibility has been given by the Government of India, and that the certificate of eligibility will be valid only for a period of one year from the date of his appointment beyond which he can be retained in service only if he has become a citizen of India. Certificate of eligibility will not, however, be necessary in the case of a candidate belonging to any one of the following categories:—

- (a) Persons who migrated to India from Pakistan before the 19th July, 1948, and have ordinarily been residing in India since then.
- (b) Persons who migrated to India from Pakistan after the 18th July, 1948, and have got themselves registered as citizens under Article 6 of the constitution.

(c) Non-citizens of category (iii) above who entered service under the Government of India before the commencement of the Constitution, viz., 26th January, 1950, and who have continued in such service since then. Any such person who re-entered or may re-enter such service with break after the 26th January, 1950, will however, require certificate of eligibility in the usual way.

A candidate in whose case a certificate of eligibility is necessary may be admitted to the examination and he may also be provisionally appointed subject to the necessary certificate being eventually issued in his favour by Government.

4. (a) No male candidate who has more than one wife living or who having a spouse living, marries in any case in which such marriage is void by reason of its taking place during the life time of such spouse, shall be eligible for appointment to any of the Services, appointments to which are made on the results of this competitive examination, unless the Government of India, after being satisfied that there are special grounds for doing so, exempt any male candidate from the operation of this rule.

(b) No female candidate whose marriage is void by reason of the husband having a wife living at the time of such marriage or who has married a person who has a wife living at the time of such marriage shall be eligible for appointment to any of the Services, appointments to which are made on the results of this competitive examination, unless the Government of India, after being satisfied that there are special grounds for doing so, exempt any female candidate from the operation of this rule.

5. (a) (i) A candidate for the Electrical Engineering and Signal Engineering Departments of the Superior Revenue Establishment of Indian Railways must have attained the age of 21 and must not have attained the age of 25 on the 1st August, 1963, i.e., he must have been born not earlier than the 2nd August, 1938 and not later than the 1st August, 1942.

(ii) A candidate for all the remaining services mentioned in paragraph 1 above must have attained the age of 20 and must not have attained the age of 25 on the 1st August, 1963, i.e., he must have been born not earlier than the 2nd August, 1938 and not later than the 1st August, 1943.

(b) The upper age-limit prescribed above will be relaxable:—

- (i) Upto a maximum of five years if a candidate belongs to a Scheduled Caste or a Scheduled Tribe.
- (ii) Upto a maximum of three years if a candidate is a *bona fide* displaced person from Pakistan. This concession will not, however, be admissible to a candidate who has already appeared at four previous examinations for the Electrical Engineering and Signal Engineering Departments or five previous examinations for the remaining services.
- (iii) Up to a maximum of eight years if a candidate belongs to a Scheduled Caste or a Scheduled Tribe and is also a *bona fide* displaced person from Pakistan.

This concession will not, however, be admissible to a candidate who has already appeared at nine previous examinations for the Electrical Engineering and Signal Engineering Departments or ten previous examinations for the remaining services.

- (iv) Upto a maximum of three years if a candidate is a resident of the former French settlements which have now become part of India and has been receiving his education through the medium of French.
- (v) Upto a maximum of four years if a candidate belongs to the Andaman and Nicobar Islands.

(vi) Upto a maximum of 3 years in the case of repatriates from Ceylon who are Indian Citizens.

(c) The upper age-limit of 25 years will be further relaxable upto 30 years in respect of candidates for Services other than the Telegraph Engineering Service Class I, Indian Ordnance Factories Service, Class I, and the Central Engineering Service (Roads) Class I, who are employed in a Department/Office or under the control of any of the authorities mentioned in column 1 below and apply for admission to the examination for the corresponding service mentioned in column 2, if they hold substantively permanent posts in the particular department/office or have been continuously in temporary service in the particular department/Office for at least three years on the 1st August, 1963, or who were within the above specified age limits, on the date of their employment in the Department/Office, etc., such relaxation being limited to only three examinations which would be in addition to those permissible under paragraph 5(a) and 5(b) above.

Railway Department—

I.R.S.E.

E.E.D.

S.E.D.

M.E. & T.P. Department.

Central Public Works Department—

C.E.S., Class I.

C.E.S., Class II.

C.E.E.S., Class I.

C.E.E.S., Class II.

Directorate General of Supplies and Disposals—

Indian Inspection Service, Class I, Indian Supply Service Class I.

A temporary Assistant Engineer recruited through the Commission to the Civil, Electrical, Signal, and Mechanical and Transportation (Power) Departments of Indian Railways will also be eligible for this concession irrespective of the length of his service in the Department.

NOTE—The period of apprenticeship, if followed by appointment against a working post on the Railways, may be treated as Railway Service for the purpose of age concession.

(d) The upper age limit of 25 years will be relaxable upto 30 years also in respect of candidates for the Telegraph Engineering Service, Class I, who hold substantively permanent posts in the Posts and Telegraphs Department or have continuously held for a period of not less than two years on the 1st August, 1963 any of the following temporary posts under the Posts and Telegraphs Department, such relaxation being limited to only three examinations which would be in addition to those permissible under paragraph 5(a) and 5(b) above.

T.E.S., Class I—

1. Repeater Station Assistants.

2. Foremen or Assistant Foreman Telegraph Workshops.

3. Temporary Assistant Engineers Workshops.

4. Engineering Supervisors.

5. Workshop Supervisors.

(e) The upper age limit of 25 years will likewise be relaxable upto 30 years in respect of candidates for the Indian Ordnance Factories Service, Class I, who hold substantively permanent appointments at the Ordnance Factories such relaxation being limited to only three examinations which would be in addition to those permissible under paragraphs 5(a) and 5(b) above.

N.B.—(i) A candidate who is admitted to the examination under the age concession mentioned in paragraphs 5(c), 5(d) and 5(e) above will not be eligible for appointment if after submitted the application he resigns from service either before or after taking the examination. He will, however, continue to be eligible if he is retrenched from the Service or post after submitting the application.

(ii) A candidate who, after submitting his application to his department, is transferred to other department/office, will be eligible to compete under departmental age concession for the Service, for which he would have been eligible, but for his transfer, provided his application, duly recommended, is forwarded by the department.

SAVE AS PROVIDED ABOVE THE AGE LIMITS PRESCRIBED CAN IN NO CASE BE RELAXED.

DEPARTMENTAL CANDIDATES MUST OBTAIN PREVIOUS PERMISSION OF THE HEAD OF THE DEPARTMENT TO APPEAR FOR THE EXAMINATION.

6. A candidate must have—

- (a) obtained a degree in Engineering from a university incorporated by an Act of the Central or State Legislature in India or other educational Institutes established by an Act of Parliament; or
- (b) Passed Sections A and B of the Associate Membership Examination of the Institution of Engineers (India) or have any other educational qualifications recognised by that institution as exempting from passing these Sections; or
- (c) obtained an Engineering degree of one of the Universities mentioned in Appendix I under the conditions prescribed in that Appendix; or
- (d) passed the Honours Diploma Examination in Civil Mechanical or Electrical Engineering of the Loughborough College, Leicestershire provided the candidate has passed the common preliminary examination or has been exempted therefrom; or
- (e) obtained the B.E. (Tele-communications) degree awarded by an Indian University; or
- (f) passed the Graduate Membership Examination of the Institution of Tele-communication Engineers (India); or
- (g) passed the Graduate Membership Examination of the British Institution of Radio Engineer, London, held after November, 1959.

The Graduate Membership Examination of the British Institution of Radio Engineers, London, held prior to November, 1959 is also acceptable subject to the following conditions :—

- (1) that the candidates who have passed the examinations held prior to November, 1959, should have appeared and passed in the following additional subjects:
 - (i) Principles and applications of Electrical Engineering (in accordance with the syllabus prescribed in Section A of Post—1959 Scheme).
 - (ii) Mathematics II (in accordance with the syllabus prescribed in Section B of Post—1959 Scheme).
- (2) that the candidates concerned should produce a certificate from the British Institution of Radio Engineers, London, in fulfilment of the condition prescribed at (1) above.

NOTE 1—Qualifications (e), (f), (g) and qualification (b) in so far as it relates to exempting holders of the B. E. (Tele-communication) Degree from passing the sections referred to therein will be applicable only to those candidates who are competing for Signal Engineering Department, Electrical Engineering Department and Mechanical Engineering and Transportation (Power) Department of the Superior Revenue Establishment of Indian Railways, and the Telegraph Engineering Service Class I.

NOTE 2—In exceptional cases the Commission may treat as qualified candidate a candidate who, though he has not all or any of the qualifications prescribed in this rule, has passed examinations conducted by other Institutions of a standard which in the opinion of the Commission justifies his admission to the examination.

NOTE 3.—A candidate who has appeared at an examination the passing of which would render him eligible to appear at this examination, but has not been informed of the result, may apply for admission to the examination. The candidate who intends to appear at such a qualifying examination may also apply, provided that the qualifying examination is completed before the commencement of this examination. Such candidates will be admitted to the examination, if otherwise eligible, but the admission would be deemed to be provisional and subject to cancellation if the candidates do not produce proof of having passed the examination, as soon as possible, and in any case not later than two months after the commencement of this examination.

7. No candidate shall be admitted to the Examination unless he holds a certificate of admission from the Commission.

The decision of the Commission as to the eligibility or otherwise of a candidate for admission to the Examination shall be final.

8. A candidate found guilty of impersonation or of submitting fabricated documents or documents which have been tampered with or of making statements which are incorrect or false or suppressing material information or of using or attempting to use unfair means in the examination hall or otherwise resorting to any other irregular or improper means for obtaining admission to the examination may, in addition to rendering himself liable to criminal prosecution, be debarred either permanently or for a specified period—

(a) by the Commission from admission to any examination or appearance at any interview held by the Commission for selection of candidates ; and

(b) by the Central Government from employment under the Government.

9. No recommendations except those required in the application form shall be taken into consideration. Any attempt on the part of a candidate to obtain support for his candidature by other means may disqualify him for admission.

10. Examination under these rules shall be conducted by the Commission in the manner prescribed in the regulations which form Appendix II to these rules.

11. Candidates must pay such examination fees as are prescribed in Appendix III. No claim for a refund of the fees will be entertained, except to the extent stated in that Appendix, nor can the fees be held in reserve for any other examination or selection.

12. Candidates who obtain such minimum qualifying marks in the written examination as may be fixed by the Commission in their discretion shall be summoned by them at their own discretion for an interview for a personality test.

After every examination, candidates will be arranged by the Commission in order of merit as disclosed by the aggregate marks finally awarded to each candidate, and in that order so many candidates upto the number of unreserved vacancies as are found by the Commission to be qualified by the examination and are considered by Government or the appointing authority, as the case may be, to be suitable in all other respects, shall be appointed.

Provided that any candidate belonging to the Scheduled Castes and the Scheduled Tribes who though not qualified by the standard prescribed by the Commission for any service, is declared by them to be suitable for appointment thereto with due regard to maintenance of efficiency of administration, shall be entitled to be appointed to vacancies reserved for members of the Scheduled Castes and the Scheduled Tribes, as the case may be, in that service.

Success in the examination confers no right to an appointment, unless Government are satisfied, after such an enquiry as may be considered necessary that the candidate is suitable in all respects for appointment to the public service.

NOTE—The form and manner of communication of the result of the examination to individual candidates shall be decided by the Commission in their discretion.

13. A candidate must be in good mental and bodily health and free from any physical defect likely to interfere with the discharge of his duties as an officer of the service. A candidate who (after such physical examination as Government or the appointing authority, as the case may be, may prescribe) is found not to satisfy those requirements will not be appointed. All candidates who are declared qualified for the Personality Test will be physically examined at the place where they are summoned for interview, either immediately before or after the interview. Candidates will have to pay a fee of Rs. 16.00 nP to the Medical Board. The fact that a candidate has been physically examined will not mean or imply that he will be considered for appointment.

In order to prevent disappointment candidates are advised to have themselves examined by a Government Medical Officer of the standing of a Civil Surgeon, before applying for admission to the examination. Particulars of the nature of the medical test to which candidates will be subjected before appointment and of the standards required are given in Appendix IV of the documents which will be supplied to candidates *vide* sub-para 2 of para 4 of the Notice.

APPENDIX I

List of University degrees which will be recognised for admission to the examination [*vide* para 6(c) of the Compendium of Rules].

Aberdeen—B.Sc. Engineering (Honours or Ordinary degree).

Cambridge—Ordinary B.A. degree in engineering provided the graduate has passed in the principal subject, Engineering I, Engineering II, and Engineering III.

Durham—B.Sc. in Marine Engineering.

Glasgow—B.Sc. in Naval Architecture (Honours or Ordinary degree).

NOTE—The above degree will be accepted only if taken after three years' study and passing the regular examinations, in the several Universities. The conditions as to three years study will not, however, apply to Indians who, having taken an Indian degree which exempts them from part of the University course, shall have taken one of the above degrees in less than three years in accordance with the regulations of the University concerned.

APPENDIX II

I—The examination shall be conducted according to the following plan:—

PART I

Compulsory and Optional papers as noted below against each Service. The duration of each of the papers except 'General Knowledge' will be of 3 hours. The duration of the paper 'General Knowledge' will be of 2 hours.

PART II

Personality test for such candidates as may be called by the Union Public Service Commission carrying a maximum of 300 marks.

II.—The following will be the subjects for the written examination:—

A. Indian Railway Service of Engineers—

Subjects	Maximum Marks
(a) <i>Compulsory</i> —	
(1) English (including Essay and Precis writing)	100
(2) General Knowledge	100
(3) Applied Mechanics (as under item 4 under Schedule to Appendix II)	200
(4) <i>Construction</i> :	
<i>Paper I</i> —	100
(i) Building Materials and Building construction	200
(ii) Design of Structures	
<i>Paper II</i> —	100
Roads, Railways (General Principles governing the design of Railways, Roads, Harbours and other works)	
(5) Surveying	100
(6) Sanitary Engineering and Water Supply	100
TOTAL	800
(b) <i>Optional</i> —Any two of the following subjects :	
(1) Prime Movers	100
(2) Hydraulics and Hydraulic Machines	100
(3) Electrical Engineering	100
(4) Architecture and Town Planning	100
(5) Mechanical Engineering	100
B. Electrical Engineering Department—	
(a) <i>Compulsory</i> —	
(1) English (including Essay and Precis writing)	100
(2) General Knowledge	100
(3) Electrical Engineering	200
(4) Mechanical Engineering	200
(5) Applied Mechanics (as under item 4 under Schedule to Appendix II)	200
TOTAL	800
(b) <i>Optional</i> —Any two of the following subjects:	
(1) Physics (including Electricity and Magnetism)	100
(2) Applied Mathematics	100
(3) Surveying	100
(4) Electrical Communication Engineering	100
(5) Workshop Organisation and Management	100
C. Signal Engineering Department—	
(a) <i>Compulsory</i> —	
(1) English (including Essay and Precis writing)	100
(2) General Knowledge	100
(3) Electrical Engineering	200
(4) Electrical Communication Engineering	200
(5) Mechanical Engineering	200
TOTAL	800
(b) <i>Optional</i> —Any two of the following subjects:	
(1) Physics (including Electricity and Magnetism)	100
(2) Applied Mechanics (as under item 5 under Schedule to Appendix II)	100
(3) Applied Mathematics	100

Subjects	Maximum Marks
(4) <i>Construction</i> :	
<i>Paper I</i> —	50
(i) Building Materials and Building Construction	50
(ii) Design of Structures.	
<i>Paper II</i> —	50
Roads, Railways (General Principles governing design of Railways, Roads, Harbours and other work.)	100
(5) Workshop Organisation and Management	
D. Mechanical Engineering and Transportation (Power, Department of the Superior Revenue Establishment of Indian Railways—	
(a) <i>Compulsory</i> —	
(1) English (including Essay and Precis writing)	100
(2) General Knowledge	100
(3) Applied Mechanics (as under item 5 under Schedule to Appendix II)	200
(4) Theory of Machines and Machine design	200
(5) Prime Movers	200
TOTAL	800
(b) <i>Optional</i> —Any two of the following subjects:	
(1) Hydraulics and Hydraulic Machines	100
(2) Electrical Engineering	100
(3) Metallurgy	100
(4) Workshop Technology	100
(5) Physics (including Electricity and Magnetism)	100
(6) Workshop Organisation and Management	100
E. & F. Central Engineering Services Class I and Class II—	
(a) <i>Compulsory</i> —	
(1) English (including Essay and Precis writing)	100
(2) General Knowledge	100
(3) Applied Mechanics (as under item 4 under Schedule to Appendix II)	200
(4) <i>Construction</i> :	
<i>Paper I</i> —	100
(i) Building Materials and Building Construction.	200
(ii) Design of Structures.	
<i>Paper II</i> —	100
Roads, Railways (General Principles governing the design of Railways, Roads, Harbours and other works).	100
(5) Surveying	
(6) Sanitary Engineering and Water Supply	100
TOTAL	800
(b) <i>Optional</i> —Any two of the following subjects:	
(1) Prime Movers	100
(2) Hydraulics and Hydraulic Machines	100
(3) Electrical Engineering	100
(4) Mechanical Engineering	100
(5) Architecture and Town Planning (For C.E.S. class I only)	100

Subject	Maximum Marks	Subject	Maximum Marks
G. & H. Central Electrical Engineering Services			
Class I and Class II—		(b) Optional—	
(a) Compulsory—		Any two of the following subjects—	
(1) English (including Essay and Precise writing)	100	(1) Hydraulics and Hydraulic Machines	100
(2) General Knowledge	100	(2) Electrical Engineering	100
(3) Electrical Engineering	200	(3) Metallurgy	100
(4) Mechanical Engineering	200	(4) Workshop Technology	100
(5) Applied Mechanics (as under item 4 under Schedule to Appendix II)	220	(5) Physics (including Electricity and Magnetism)	100
TOTAL	800	(6) Workshop Organisation and Management	100
(b) Optional—		PLAN 3—	
Any two of the following subjects—		(a) Compulsory—	
(1) Physics (including Electricity and Magnetism)	100	(1) English (including Essay and Precise Writing)	100
(2) Electrical Communication Engineering	100	(2) General Knowledge	100
(3) Prime Movers	100	(3) Applied Mechanics (as under item 4 under Schedule to Appendix II)	200
(4) Applied Mathematics	100	(4) Construction :	
(5) Hydraulics and Hydraulic Machines	100	Paper I—	100
I. Indian Inspection Service, Class I (Engineering Branch and Metallurgical Branch)—		(i) Building materials and Building Construction.	200
Engineering Branch—		(ii) Design of Structures.	
PLAN 1—		Paper II—	100
(a) Compulsory—		Roads, Railways (General Principles Governing the design of Railways, Roads, Harbours and other works).	
(1) English (including Essay and Precise writing)	100	(5) Surveying	100
(2) General Knowledge	100	(6) Sanitary Engineering and Water Supply	100
(3) Electrical Engineering	200	Total	800
(4) Mechanical Engineering	200	(b) Optional—	
(5) Applied Mechanics (as under item 4 under Schedule to Appendix II)	200	Any two of the following subjects—	
Total	800	(1) Prime Movers	100
(b) Optional—		(2) Hydraulics and Hydraulic Machines	100
Any two of the following subjects—		(3) Electrical Engineering	100
(1) Physics (including Electricity and Magnetism)	100	(4) Mechanical Engineering	100
(2) Electrical Communication Engineering	100	Metallurgical Branch—	
(3) Prime Movers	100	(a) Compulsory—	
(4) Applied Mathematics	100	(1) English (including Essay and Precise writing)	100
(5) Hydraulics and Hydraulic Machines	100	(2) General Knowledge	100
PLAN 2—		(3) Applied Mechanics (as under item 5 under Schedule to Appendix II)	200
(a) Compulsory—		(4) Theory of Machines and Machine design	200
(1) English (including Essay and Precise writing)	100	(5) Prime Movers	200
(2) General Knowledge	100	Total	800
(3) Applied Mechanics (as under item 5 under Schedule to Appendix II)	200	(b) Optional—	
(4) Theory of Machines and machine design	200	Two of the following subjects, one of which must be Metallurgy—	
(5) Prime Movers	200	(1) Hydraulics and Hydraulic Machines	100
Total	800	(2) Electrical Engineering	100
		(3) Metallurgy	100
		(4) Workshop Technology	100

Subject	Maximum Marks	Subject	Maximum Marks
(5) Physics (including Electricity and Magnetism)	100	(b) <i>Optional</i> —Any two of the following subjects—	
(6) Workshop Organisation and Management	100	(1) Physics (including Electricity and Magnetism)	100
J. Indian Supply Service Class I—		(2) Applied Mathematics	100
PLAN 1—		(3) Prime Movers	100
(a) <i>Compulsory</i> —		(4) Hydraulics and Hydraulic Machines	100
(1) English (including Essay and Precis writing)	100	(5) Workshop Technology	100
(2) General Knowledge	100	(6) Workshop Organisation and Management	100
(3) Applied Mechanics (as under item 5 under Schedule to Appendix II) ..	200	(7) Theory of Machines and Machine design	100
(4) Theory of Machines and machine Movers	200	L. Telegraph Engineering Service, Class I—	
(5) Prime Movers	200	(a) <i>Compulsory</i> —	
Total ..	800	(1) English (including Essay and Precis writing)	100
(b) <i>Optional</i> —		(2) General Knowledge	100
Any two of the following subjects—		(3) Electrical Communication Engineering	100
(1) Hydraulics and Hydraulic Machines	100	(4) Electrical Engineering	150
(2) Electrical Engineering	100	(5) Applied Mathematics	100
(3) Metallurgy	100	(6) Mechanical Engineering	150
(4) Workshop Technology	100	Total ..	700
(5) Physics (including Electricity and Magnetism)	100	(b) <i>Optional</i> —Any two of the following subjects—	
(6) Workshop Organisation and Management	100	(1) Prime Movers	100
PLAN 2—		(2) Physics (including Electricity and Magnetism)	100
(a) <i>Compulsory</i> —		(3) Applied Mechanics (as under item 4 under Schedule to Appendix II)	100
(1) English (including Essay and Precis writing)	100	M. Central Engineering Service (Roads) Class I—	
(2) General Knowledge	100	(a) <i>Compulsory</i> —	
(3) Electrical Engineering	200	(1) English (including Essay and Precis writing)	100
(4) Mechanical Engineering	200	(2) General Knowledge	100
(5) Applied Mechanics (as under item 4 under Schedule to Appendix II) ..	200	(3) Applied Mechanics (as under item 4 under Schedule to Appendix II)	200
Total ..	800	(4) Construction	100
(b) <i>Optional</i> —		<i>Paper I</i> —	100
Any two of the following subjects—		(i) Building Materials and Building Construction.	
(1) Physics (including Electricity and Magnetism)	100	(ii) Design of Structures.	
(2) Electrical Communication Engineering	100	<i>Paper II</i> —	100
(3) Prime Movers	100	Roads, Railways (General principles governing the design of Railways, Roads, Harbours and other works).	
(4) Applied Mathematics	100	(5) Surveying	100
(5) Hydraulics and Hydraulic Machines ..	100	(6) Sanitary Engineering and Water Supply	100
K. Indian Ordnance Factories Service, Class I—		TOTAL ..	800
(a) <i>Compulsory</i> —		(b) <i>Optional</i> —	
(1) English (including Essay and Precis writing)	100	Any two of the following subjects—	
(2) General Knowledge	100	(1) Prime Movers	100
(3) Mechanical Engineering	200	(2) Hydraulics and Hydraulic Machines ..	100
(4) Applied Mechanics (as under item 5 under Schedule to Appendix II)	200	(3) Electrical Engineering	100
(5) Electrical Engineering	200	(4) Architecture and Town Planning ..	100
Total ..	800	(5) Mechanical Engineering	100

NOTE 1—All papers must be answered in English.

NOTE 2—Candidates must write the papers in their own hand. In no circumstances will they be allowed the help of a scribe to write answer for them.

2. A candidate who takes Surveying as a subject must produce a certificate that he has undergone satisfactory training in surveying including practical surveying in a college or institution recognised by the Commission for the purpose of admission to the competitive examination for the Service. The training must be equivalent to that given in the full course for a degree or diploma in Civil Engineering. The certificate must be signed by the Principal or the Head of the Department of Surveying in the College or Institution.

In exceptional cases, the commission may accept a Surveying certificate from any other institution, not recognised by them for the purpose of admission to the competitive examination for the Service, if they are satisfied that the practical training in Surveying imparted in that institution would meet the requirements of the Service, and their decision in the matter will be final.

3. The standard and syllabus of the examination will be such as the Commission shall prescribe (*vide* schedule annexed).

4. The Commission have discretion to fix qualifying marks in any or all the subjects of the examination.

5. The Commission will summon at their discretion only those candidates whom they consider suitable for interview for the Personality Test.

6. Special attention will be paid in the Personality Test to assessing the candidate's capacity for leadership, initiative and intellectual curiosity, tact and other social qualities, mental and physical energy, powers of practical application and integrity of character.

7. From the marks assigned to candidates in each subject such deduction will be made as the Commission may consider necessary in order to secure that no credit is allowed for merely superficial knowledge.

8. Deductions up to 5 per cent of the maximum marks in the written subjects will be made for illegible handwriting.

9. Credit will be given for orderly, effective and exact expression combined with due economy of words in all subjects of the examination.

SCHEDULE TO APPENDIX II

Standard and Syllabus

The standard of papers in English and General Knowledge will be such as may be expected of an Engineering Graduate. The standard of papers in other subjects will approximately be that of an Engineering Degree examination of an Indian University. There will be no practical examination in any of the subjects.

All answers must be written in English.

1. ENGLISH

Questions to test the understanding of and the power to write English. Passages will usually be set for summary or analysis.

2. GENERAL KNOWLEDGE

General knowledge including knowledge of current events and of such matters of every day observations and experience as their scientific aspects as may be expected of an educated person who has not made a special study of any Scientific subject. The paper will also include questions on Indian history and Geography of a nature which candidates should be able to answer without special study.

3. APPLIED MATHEMATICS

Statistics—Vectors, Notation of force, Gravitational or Engineers' unit of force. Various kinds of forces. Friction, Composition and resolution of concurrent forces. Moments, Parallel forces and centres of gravity couples. Conditions of equilibrium of non-current coplanar forces. Funicular Polygon.

Kinematics—Units of space and time. Rectilinear motion; motion of a projectile; Angular motion, relative motion; simple harmonic motion.

Kinetics—Newton's Laws. Absolute system of units. Linear momentum. Impact of elastic bodies. Impulse and impulsive forces, Angular momentum; moments of inertia and radii of gyration; impulsive torque. Centrifugal forces. Conical pendulum. Motion of the centre of mass. Canton railway curves and banking of road-tracks. Hoop stress and stress in the rim of a fly-wheel.

Work, power, kinetic and potential energy, Principle of energy. Kinetic energy due to rotation. Work done by a couple. Principle of Virtual work. Simple machines, mechanical advantage, and velocity ratio. Stable and unstable equilibrium. Deflection in a framed structure. Oscillations. Simple and Compound pendulum. Units and dimensions.

Hydrostatics—Fluid pressure, its transmission and measurements, density; specific gravity; metric system of units; resultant pressure; centre of pressure; equilibrium of floating bodies; metacentre. Laws of Boyle and Charles. Mixture of gases. Nature and action of simple hydraulic machines.

4. APPLIED MECHANICS

[For services other than Signal Engineering Department, Mechanical Engineering and Transportation (Power) Department, Indian Ordnance Factories Service, Indian Inspection Service (Engineering Branch—Plan 2 and Metallurgical Branch) and Indian Supply Service (Plan 1)].

(a) Buildings

Consideration of material used in construction of roof-trusses. Steel and timber. Determination of stress in trusses by various methods. Dead-loads and wind pressure. Factors of safety and working stresses.

Design of roof-trusses—Various types of roof-trusses and roof coverings; collar beam and hammer beam trusses.

Use of Euler's, Gordon's, Rankine's, Fidler's Johnson's, and straight line formulae in the design of struts. Buckling factors of struts; curves showing comparative strength of struts obtained by various formulae. Choice of size of sections. Finish of steel work, joints, Design of end bearings; methods of fixing and supporting ends.

Application of circle and ellipse of stress and Clapeyron's theorem to design of structures.

Cast Iron and Steel Columns—Flange and web connection to steel columns; caps; bases; transverse bracing of columns.

Foundations—Safe pressure; foundations for columns. Slab foundations; cantilever foundation; Grillage foundations; Wells; Piles.

Retaining Walls and earth pressure—Rankine's theory; Wedge theory, Winger's and Bling's graphical constructions, with corrections. Design of various types of retaining walls in masonry.

Tall Masonry and Steel Chimneys—Theory and design.

Design of steel and masonry—Reservoirs with considerations of wind pressure.

Deflection of framed structures and determination of stresses, etc., in redundant frames.

Influence diagrams for bending moment and shear for uniformly distributed and irregular loads on trusses, built-in beams and three-pinned, parabolic semi-elliptic and semi-circular arches.

General principles of dome design.

Principles of Buildings Design ; consideration of loads on buildings. Steel Works, girders, etc., for buildings.

(b) Bridges

Design of superstructure, Determination by graphical and analytical methods of bending moment due to moving loads. Wind pressures.

Design of masonry bridges and culverts.

Plate-web girders, Analysis of stresses.

Warren and lattice girders.

Three-pinned arches; doubly pinned and rigid arches.

General consideration on the design of suspension, cantilever and tabular bridges. Steel-arches bridges, swing bridges.

(c) Reinforced Concrete

Shears bond and diagonal tension, its nature evaluation and location of reinforcement.

Design of simple and doubly reinforced beams and continuous beams.

Theory and design of reinforced concrete columns and piles. Design of slab foundations.

Design of simple cantilever and counterfort, retaining walls.

Equivalent moments of inertia for reinforced concrete sections.

Theory of elastic deflections and outline of investigation of stresses in reinforced concrete arches.

(d) General

Analysis of stress, analysis of strain, elastic limit and ultimate strength. Relation between the elastic constants. Launhardt-Weyrach formula for working stresses in a structural member and determination of its cross-sectional area. Repetition of stresses. Bending moment and shearing force diagrams for dead-loads. Graphical determination of stresses in frames; effect of wind pressure; method of sections. Stress in the cross-section of a beam due to bending ($M/I = F/Y = E/R$); compound and conjugated stresses. Rankine's theory of earth pressure; depth of foundations and strength of footings. Grillage foundations; Columb's theory of earth pressure; modification due to Rebahn.

Bending moment and shearing force diagrams for life loads. Analysis of uniform and uniformly varying stress. Elastic theory of bending of beams; bending and shear stresses in beams. Modulus of section and equivalent areas. Maximum and minimum stresses in a joint due to eccentric loading. Stresses in dams and chimneys. Stability of block-work structure. Design of rivetted joint and stresses in boiler shells. Euler's theory concerning struts; modifications due to Rankine. Gordon and others. Torsion Combine torsion and bending deflections. Encastre beams. Continuous beams and theorem of three moments. Elastic theory of arches. Masonry arches.

5. APPLIED MECHANICS

[For Signal Engineering Department, Mechanical Engineering and Transportation (Power) Department. Indian Ordnance Factories Service, Indian Inspection Service (Engineering Branch—Plan 2 and Metallurgical Branch) and Indian Supply Service (Plan 1) only.]

(a) *Statics*—Forces acting on a rigid body ; moments of forces; composition and resolution of forces; friction; machines; efficiency; couples; conditions of equilibrium, with application to simple framed structures and beams; bending moment and shear force diagrams for dead-loads.

(b) *Hydrostatics*—Pressure at a point in a liquid, centre of pressure on an immersed plane area, equilibrium of floating bodies.

(c) *Kinematics (of motion in a plane)*—Velocity and acceleration of a point; relative motion; acceleration of a point moving in a circular path with uniform speed; simple harmonic motion; velocity-ratio; diagrams of simple mechanisms; instantaneous centre.

(d) *Kinetics*—Force, mass, impulse momentum, works, energy, power; moment of momentum, moment of inertia, their relations and measurements; conservation of energy; conservation of linear momentum; rectilinear motion of a body under a force (constant or variable), equation of motion of a particle; motion of a body in circular path with uniform speed; balancing of rotating masses; rotation and oscillation of a body about a fixed axis.

(e) *Hydraulics*—Pressure and velocity change along a stream line; Bernoulli's theorem ; flow through an orifice.

(f) *Stress and Strain*—Stress and strain in tension, compression and shear; Hooke's law; Relations between elastic constant ; combined stress in two dimensions ; circle diagrams; compound bars in tension and compression; elementary consideration of stress due to temperature changes.

(g) Bending moment and shearing force diagrams for live loads. Analysis of uniform and uniformly varying stress; elastic ; theory of bending of beams; bending and shear stresses in beams; Modulus of section and equivalent areas; maximum and minimum stresses in a joint due to eccentric loading; design of rivetted joints and stresses in boiler shells; welded joints.

(h) *Cylinders*—Thin cylindrical and spherical shells under internal pressure ; stress in thick-walled cylinders under internal and external pressure; force and shrink fits.

(i) *Torsion*—Torsion of round bars, transmission of power by shafts.

(j) *Combined Stresses*—Combined bending and direct stress, and combined bending and torsion.

(k) *Strain Energy*—Work done in elastic deformation; Stresses due to suddenly applied loads.

(l) *Springs*—Laminated springs and close-coiled helical springs.

(m) *Struts*—Elementary theory of struts with use of empirical formulae.

(n) *Property of materials*—The mechanical properties of materials; composition and properties of the important metals used by engineers; effect of heat treatment, annealing and normalizing; effect of cold work on the properties of metals; elasticity, plasticity, ductility, tenacity hardness, resistance to shock; resistance of repeated and alternating stress; effect of form and surface conditions; failure under combined stress; creep at high temperatures; considerations affecting the choice of the safe working stress in design.

6. ELECTRICAL ENGINEERING

Direct Current—Principles of generators and motors Types and characteristics. Starting and controlling appliances. Methods of testing of generators and motors. Operation in parallel of direct current generators. Types and general features of primary batteries. Testing of Primary batteries. Types and testing of storage batteries. Method of charging Boosters and other auxiliary appliances.

Alternating Currents—Production of alternating currents. Frequency and wave shape Graphic representation of current, voltage and power in A.C. Circuits. Maximum and "R.M.S." Value of simple sine wave. Effect of resistance inductance and capacity in A.C. circuit. Power and power factor in A. C. circuit. Single phase and poly-phase currents, Connections of poly-phase systems. Power Measurement in poly-phase circuits. Theory of alternator and its regulation Parallel running. Theory of transformer. Transmission of poly-phase currents. Synchronous motors and Induction motors. Methods of starting. Efficiency and characteristics. Circle diagrams and testing of motors. Improvement of power factor. Motor converter and rotary converter and methods of starting of rotary converter. Principle of automatic voltage regulator.

Electrical Instruments and Measurements—Principles of construction and theory of measuring instruments for direct and alternating currents. Commercial types. Calibrations of instruments. Measurements of resistances. Ohm-Meters. Types of bridges for measuring resistances. Potentiometer Phase and frequency meters. Synchroscope. Type of wattmeter.

Transmission and Distribution of Electrical Energy—Systems of supply economic voltage and size of conductor. Formulae for determination of size of conductor for standard systems of distribution of the load, voltage, etc., being given. Factors influencing voltage drop in D.C. and A.C. transmission lines. Influence of power factor of the load on voltage regulation of a transmission line. Standard equipment of generator and motor control panels for different types of D.C. and A.C. generators and motors.

7. PHYSICS (INCLUDING ELECTRICITY AND MAGNETISM)

Heat—The methods of calorimetry and thermometry. Vapor-pressures, critical temperature and pressure. Conduction and diffusion of heat and the determination of constants. Radiation and absorption; laws of cooling. Theory of exchanges; methods of measuring radiation, laws of thermodynamics; simple applications.

Light—Velocity of light; Illumination; photometry. Archromatism in lens system; direct-vision spectroscope.

The wave theory—Simple interference phenomena. Huygen's principle explanation of straight line propagation, reflection and refraction of light. Action of mirror lenses, etc. reviewed from this standpoint. Simple diffraction phenomena, Gratings, and wavelengths determination. Spectrum analysis; Doppler's principle. Double refraction and polarization of light; rotary polarization; simple application.

Magnetism—Forces on a magnet in a magnetic field. Determination of axes and moment of magnet. Magnetic potential, level surfaces. Interaction of two short magnets; determination of field strength Magnetic shell; its potential energy in magnetic field. Total normal induction, Gauss' theorem; number of lines of force. Magnetic induction in iron etc. Theory of magnetism.

The magnetic field of the earth; elements and their variations; the compass and its corrections.

Electricity—Electric capacity specific inductive capacity Distribution of electricity on surface of conductors; images. Value of electric force in simple cases of distribution. The mechanical force on charged conductors energy of electrified systems. The dielectric medium; dielectric displacement currents.

Wheatstone's bridge, specific resistance; resistance thermometers. Conductivity of electrolytes; ionization; migration phenomena; accumulators, Standard cells; the potentiometer system of measurement. Thermoelectricity, application of thermo-dynamics; thermoelectric diagrams. Electro-magnetic induction; coefficients of induction; induction coils. Energy of circuit carrying current when placed in a magnetic field; mechanical force on conductors carrying current; moving coil instruments. Lenz's law; illustration from dynamos and motors; etc. Determination of current resistance; E.M.F. in absolute measure. The discharge of a condenser; electric waves. Elementary theory of the electron.

The elementary theory of the continuous current dynamo and motor and of the alternating current dynamo. General principles of the application of electricity to lighting, power transmission; telegraphy etc.

Sound—The transmission of energy through material media by wave-motion; speed of propagation of waves of permanent type. Nature of musical sounds; pitch, scales. Reflection and refraction of sound; influence of wave-length. The vibration of strings, bars, plates and gas columns, resonance. Interference and diffraction phenomena. Analysis of sound. Measurement of wave-length, velocity and pitch.

8. PRIME MOVERS

Fuel Gas Plants and Boilers—

Fuel—

(a) Coal, wood, petroleum, gas, petrol, alcohol, etc., physical characteristics, approximate chemical composition, heat of combustion.

(b) *Gas Plant*—Gas producers; pressure and suction plants arrangement and working.

(c) *Boilers*—draught: natural, forced and induced. Ordinary forms of stationary, locomotive, marine, water-tube and other type; heating surface, firegrate area; boiler efficiency; superheaters; feedwater heaters; accessories and management.

Theory of Heat Engines—

(a) Thermodynamical principles; Carnot's cycle, perfect heat engine; second law.

(b) *Air engines*—Sterling and other forms.

(c) *Internal Combustion Engines*—Gas, oil and petrol engines; types and working; features of cycles. Proportioning of mixtures; efficiencies.

(d) *Steam*—Thermodynamics of the generation, expansion and condensation of steam; heat diagrams; etc.

(e) *Steam Engines and turbines*, with special reference to modern developments.

(f) *Refrigerating Plants*—Theory and general arrangement of the more common types.

(g) *Air Compressors*—Theory of Pneumatic working.

Generating Plant, Accessories and Details—

(a) General arrangements and construction of the more important types.

(b) Condensers air-pumps, circulating pumps, cooling tanks etc.

(c) Carburettors and systems of ignition.

(d) Cylinders, pistons cross heads guides connecting rods, cranks, governors, fly-wheels, valves, and valve gears, glands and pipes.

(e) *Engine-Testing*—Consumption of steam and fuel, gas and oil; brakes and dynamometers; indicators and indicator diagrams.

9. HYDRAULICS AND HYDRAULIC MACHINES

Hydraulics—Definitions relating to flow of water stream-line motion. Bernoulli's theorem. Venturimeter.

Flow of water through small and large orifices; drawn orifices; sudden enlargements and contractions in flow of water. Time of emptying tanks. Flood absorptive capacity of tanks.

Flow of water over notches and weirs.

Flow of water through pipes; hydraulic gradients; losses of head due to bands contraction and sudden enlargements; losses of head through syphons. Impacts at bends and thrust blocks.

Flow of water in open channels and in pipe; Chezy Bazin. Kutters and other formulae and their applications; cross sections of greatest efficiency.

Calculations of afflux and back water curve.

Gauging the flow of water in open channels, watermeters.

Hydraulics and hydrostatics of weirs and other canal works.

Hydrokinetics; uniform and steady flow streamline and turbulent motion. Bernoulli's theorem and its application.

Discharge through orifices and mouth pieces, and over notches and weirs. Variable heads. Laws of fluid friction. Head lost due to friction.

Hydraulic Machinery—Impact of water on fixed and moving vane. Turbines, impulse and reaction. Description of different types of turbines. Determination of vaneangles. Efficiencies of turbine plant. Governing.

Pumps—Reciprocating centrifugal and turbine,

10. CONSTRUCTION

PAPER I—(i) BUILDING MATERIALS

Stones—General characteristics of building stones. Chief varieties and uses. Quarrying Blasting Crushing Screening. Dressing. Machinery and Tools used. Strength. Causes of decay and methods of preservation. Tests, Artificial stone. Manufacture and use.

Bricks and Tiles—

General characteristics, varieties and use. Manufacture. Selecting clay, moulding and burning in kilns, Bull's and Hoffman's kilns, Causes of decay and methods of preservation. Strength. Essentials of good bricks. Mangalore and country tiles. Salt glazed pipes and China clay ware. Terracotta and refractory materials. Cement Block hollow and solid. Cement tiles, flooring, etc. Dados, etc. Machinery used.

Glass and plastics—

Glass—General characteristics, varieties, composition manufacture and uses. **Plastic**—Composition, properties and uses of celluloid, bakelite, ebonite, vitrolite, marbarite, etc.

Cement, limes, mortars and concrete—

Cement—Composition and manufacture, Storing, varieties and use. Normal rapid hardening and low heat cements, Aluminous Cements; Properties B.S.S., Tests.

Limes—Hydraulic and fat. Occurrence, collection, burning slacking and storing artificial hydraulic limes; gypsum; Plaster of Paris. Properties and uses. Tests.

Sand Pozzolana—Properties, grading fineness, modulus, etc. Tests.

Mortars—Lime mortars; ordinary and hydraulic. Use of sand and surkhi composition. Preparation mixing and grinding Storing. Uses. Properties. Strength and tests. Cement mortars. Composition, preparation and use. Properties gauged mortars. Proportioning of materials in mortars. Effect of water on strength. Mud mortars and effect of water on their strength.

Concrete—Lime concrete composition, preparation and use. Properties and strength test cement modulus and mixing. Water-cement ratio Properties strength, uses and tests. Water proofing and surface treatment.

Timber—Varieties, classification characteristics test and uses of Indian timber. Defect in timber and concrete constituents—Proportioning grading, fineness, causes of decay Seasoning and preservation. Fire proofing. Market and standard sizes for different purposes.

Plywood and pressed wood—Manufacture properties and uses. Proprietary timber products used for sound; thermal products; used for sound and thermal insulation.

Masonry—

Stone Masonry—Materials, dressing laying and jointing. Instruments and tools, Classes of masonry uncoursed and coursed rubble, random rubble, ashlar and block-in-course Bonding of stones, Dry stone masonry, Pitching. Lifting devices; scaffolding. Terms used in masonry. Strength of and safe loads on masonry. Plain masonry and brick-work masonry.

Materials, brick laying and bonding brick nogging. Brick laying in footings damp proof course isolated columns, piers chimneys, fire places, arches, vaults domes inverts, centerings, etc. Reinforced brick work. Scaffolding. Strength of brick masonry. Safe loads on brick work.

Iron and Steel—

Varieties, classification, composition, characteristics, tests and uses of iron and steel. Important iron ores and their properties. Elements of manufacture of iron and steel by different processes. Modern steels and alloy steels, their properties and uses. Rolling mills for mild steel sections and types of British standard sections for structural steel. Metallic products; pipes, tubes, plain and corrugated iron sheets. Cast iron and steel casting. Flaws in iron and steel.

Preservatives—Composition, preparation properties, tests and uses of paints, polishes, varnishes, distempers and oils and pigments used.

Miscellaneous—

I. Carbonaceous cementing materials; asphalt and bitumen natural and artificial asphaltic products. Properties and uses.

II. Asbestos and asbestos cement sheets, masonite, colotex, teetex and other products. Properties and uses.

III. Rubber, leatherfelt, coir and their products, wire ropes, properties and uses.

(ii) DESIGN OF STRUCTURES

Buildings—Preliminary investigations as to the suitability of site for different types of buildings, trial pits and borings, determination of bearing capacity of soils, Design of residential houses.

Foundations—(a) General: Structural properties of soil. Principles of mechanics of resistance of soils.

Examination of soils probing sounding and borings; (wash boring, percussion boring, rotary boring) Boring tools. Trial pits. Testing soils for bearing pressure; Direct and indirect tests. Test piles.

(b) Bearing capacity of soils: Rock, clay and sandy soils alluvium; quicksand. Black cotton soil. Reclaimed soil. Improving bearing capacity of soils by various methods. Transmission of Load to foundations dead load, live load, and wind load. Impact factor. Ratio of live load and dead load.

(c) Shallow foundations. Area of foundations, Spread footings. Timber and steel grillage foundation. R.C.C. Raft inverted arches. Foundations under eccentric loads; boundary footings. Depth of foundations.

(d) Preparation of bed: Demolition. Under-pining. Excavation, shoring and timbering of trenches. Bailing out water.

(e) Deep foundations: Friction and bearing piles; timber steel and cast iron piles. Screw piles, Precast cast in situ, (vibro Franki) concrete piles. Boared piles. Pressure Piles. Pile driving. Safe load on piles; Hiley's formula.

Plain masonry and brick work, floor and roofs carpentry and joinery, stairs columns, scaffolding hoisting appliances for constructions and maintenance of safety measures.

Structural plumbing—

Fire proof construction—Protection of timber steel and concrete from fire. Storing room construction.

Thermal insulating properties of masonry and concrete walls and plasters. Insulating boards. Thermal insulation of buildings.

Acoustics of buildings. Use of sound-proofing materials.

Structures—Columns under bending and shear due to lateral loads. Caps and footings.

Fixed and continuous Beams—

Rolling loads—Influence lines for Bending moment and shear for beams. Influence lines for stresses in members of framed girders with straight and curved beams and sub-divided panels.

Detailed design of rivetted and welded connections.

Detailed design of plate and lattice girders.

Retaining walls—Theories of Earth Pressures; effect of surcharge: stability of retaining walls. Elements of soil mechanics.

Deflection of framed Structures; Williot Mohr diagrams. Stresses in redundant frames.

Arches—Three hinged two hinged and fixed arches. Influence lines for Bending moment, shear and thrust. Stresses due to loading, temperature and yielding of abutments.

Suspension Bridges—Three hinged and two hinged stiffening girders.

Analysis of simple rigid frames. Method of distribution of moments, and various other methods.

Simple structures such as rectangular and circular water towards tanks; hemispherical, conical and segmental domes; retaining walls with or without counterforts.

Reinforced concrete construction—

Concrete—Various mixes and their uses—reinforcements round bars fabrics. Hyrid etc. Bending and placing reinforcement in slabs beams, and columns (Rectangular and T. Beams—with single and double reinforcements). Shear and bound stress. Columns under axial and eccentric loads. Simple and combined footings.

Steel Constructions—Beams and girders. Properties of British Standard Sections; detailed design of beams, compound girders, built up plate girders and lattice girders, limiting spans and economical depths, designs of flanges and webs, curtailment of flange plates determination of size, pitch and arrangement of rivets; types of stiffeners and rules for their spacing; design of joints and connections; methods of fabrication, detailed design of crane and gantry girders of built-up plate and lattice girder types and typical details of constructions.

Columns and struts—Plain and built up sections; assumptions regarding end conditions; practical formulae for design, detailed design of stanchions for buildings and of compression members of roof trusses and lattice girders; design and details of caps, bases and brackets for stanchions; joints and splices on stanchions; sizes pitch and arrangements of rivets on flanges of plated stanchions, lacing on stanchions.

Roof trusses—Types of roof trusses; limiting spans rise and camber; economical spacing data for design; detailed design of members including purlins, joints and connections; wind bracing on roof trusses, detailed design of steel framed sheds.

Bridges—

General principles of design—alignment, number of spans, economic spans water-way calculations, depth of foundation. Scour depth, afflux clearance etc.

Loading—

Dead load, live load, impact factors—loading on road and railway bridges.

Substructures—Abutments, wing walls and piers conditions of stability, types, design and construction—foundations.

Superstructures—Different types of Road and Railway bridges. Choice of material and type. Bridge floors Wearing surface on bridges. Methods of erection. Maintenance and preservation.

Culverts—Box, pipe and Irish culverts. Cause ways and submersible bridges, general principles of construction.

Approaches—Influence of conditions of approaches on the selection of the type of bridges—Construction of approaches.

PAPER II

General principles governing the design of Railways, Harbours, Aerodromes and other works.

Railways—Permanent way—ballast, sleepers, rail chairs and fastenings.

Points and crossings—Details of construction, different types, turnouts, cross-over formulae and practical rules for setting out.

Plate laying and maintenance of track, super elevation, creep of rails, ruling gradient Compensation, tract resistance tractive effort. Station yards and machinery station building platforms sidings, signals and signal mechanism, staff quarters, Engine, sheds turn tables, water columns, aspits etc.

Level crossings in mountain railways.

Tunnels and their alignments and methods of construction.

Road—Classification of roads—Estimation of traffic, availability of materials and choice of type of roads. tests of materials, gradient camber. Road foundation and underdrainage, road surfaces, water bound macadam, tar sprayed macadam, tar macadam hot and cold emulsions, bituminous carpets, stone paving, wood block paving, asphalt roads, plain

and reinforced concrete roads. Standard specifications; resistance to motion of vehicles and influence of various road-surface. Machinery employed—latest advances in highway engineering. Road signs and traffic control, arboriculture.

Harbours, and other work—

Physical geography in relation to docks and harbours; natural phenomena, prevalence and intensity of winds, coastal change; accretion and denudation; effect of artificial interference, tidal phenomena; waves form, height and length, wave velocity and wave action.

Objects of docks and harbours, consideration affecting choice of site; entrances to docks and harbours; foreshore protection and channel regulation; wet dry and floating docks; tidal basins and harbour different forms and types, details and methods of construction. Lock gates, their construction and working, machinery employed. Different types of quay walls, their construction and maintenance; signals and light-houses, ferries and landing piers. Description of important existing docks and harbours. Latest advancement in dock and harbour engineering.

Aerodromes—

Aerodromes their importance and spacing position and relation to the air zone. Runways, Orientation Flying obstructions.

Economics of aerodrome operation—

Location of auxiliary buildings and traffic control in the vicinity of aerodrome and their effect on design. Location and design of terminal buildings. International standards.

11. SURVEYING

Surveying—Construction of Scales. Conventional signs, Use and adjustment of instruments. Theory of levelling, simple compound check and reciprocal levelling. Various causes of errors in levelling. Elimination of such errors. Customary limits for errors. Method of keeping various styles of field-books. Use of boning rods, Chain survey. Chain and compass survey.

Theodolite—Traversing by Gales traverse system for city and town improvement surveys. Source of errors and required precision in traversing. Traverse tables. Theory and use of the simple plane-table and tangent clinometer, with and without the magnetic compass. Theory and use of the stadia method of plane tabling, with levelled heights and reduction of distances and heights by slide rule. The three-point problem of plane-tabling by resection from within and without the triangle. Geometrical and trigonometrical proof of the three-point problem. The two-point problem with and without the magnetic compass. Triangulation with reciprocal value; heights of stations; base line measurements. Finding value of position by observations to three known points. Computation of rectangular co-ordinates with convergency correction.

Contouring the triangulated areas by the heights calculated from the reduced levels. Longitudinal and cross-sections run with a level. The location on the map of a road railway canal or weir, etc. The general principles of tunnel alignment and of the carrying surface meridians underground for mine-surveys. Discussions on the latest patterns of instruments.

Practical Astronomy—Instruction in spherical trigonometry upto the solution of the spherical triangle and the adoption of Napier's rules of circular parts. Definitions; systems of celestial co-ordinates; the reason for side real; Sun and apparent acceleration, retardation and equation of time. The Julian and Gregorian calendars; time and the various astronomical corrections.

Finding the meridian of a place by observations to the sun or a star at upper culmination by equal altitudes, by the sun or stars not in the meridian and by circumpolar stars at elongation; and finding time by the sun or stars on the meridian and ex-meridian; finding latitudes by Polaris and circum-meridional observations. Use and constructions of sun dials.

Railway curves and Alignment—Theory of curves, curves laid out with the aid of angular instruments with one theodolite. Curves laid out by linear measurement only. By-chords and off sets (several methods). By off sets inside the Curve with certain ordinates from the long chord. Curve with certain given data to pass through a ruling point. Compound curves Diversion curve. Vertical curves, Curves spiral or transition line. Setting on pegs for earth work. Computation of areas of cross sections, etc.

12. SANITARY ENGINEERING AND WATER SUPPLY

General—Elementary Bacteriology and Chemistry of water and sewage.

Water Supply—History and development of public water supplies; sources of Supply. Standards of purity for public water supplies, Quantity supplied *per capita* intakes Pumping and gravity schemes. Water towers. Purifications, slow and rapid sand filtration. Sterilisation. Clear water reservoirs, Softening Pipes. Valves and fittings. Distribution of water. Detection and prevention of waste. Metering.

Sanitation—Site and orientation of buildings, Damp proof courses ventilation. Air conditioning. House drainage. Conservancy and water-borne systems. Sanitary appliances. Constructions and testing of house drains. Pail depots. Public latrines and urinals.

Prevention of malaria incidental to engineering construction—

Sewerage—Separate, combined and partially separate systems. Forms cross-sections, capacities and inclinations of sewers. Construction of sewers. Calculations of storm water. Storm water overflows, syphons. Lifts ejectors and pumps for sewage. Manholes and lamp eyes. Flushing of sewers.

Sewage disposal—Characteristics and composition of sewage, Essentials with regard to sewage treatment. Selections of site for disposal works. Disposal at dilution and treatment. Simple sedimentation and chemical precipitation. Contact beds. Percolating filters. Septic tanks. Imhoff tanks. Activated sludge process. Sludge disposal by various methods.

Refuse—Collection and disposal of refuse.

13. ELECTRICAL COMMUNICATION ENGINEERING

A—TELEGRAPHY

1. *Morse Telegraph Apparatus*—Description of Signalling, keys, Sounders, Relays, Galvanometers. Balancing boxes, Switches, etc., and their use in Morse Telegraphy.

2. *Morse circuits*—(a) Arrangements of apparatus and circuit connection for Simple and Differential and Aridgo Duplex working terminal and Repeater offices. Single current and Double current working.

(b) General Principle of Quadruplex working.

3. *Multiplex Telegraphy*—(a) Principle of Multiplex Baudot printing. Telegraph Different methods of working the Baudot system Double and quadruple working. Description of principal apparatus used in Baudot. Telegraphy including Retransmitter, Trade transmitters, Key board Perforators, etc., and their use.

(b) Teleprinters working. General principle of the "Stop Start" system of working. Teleprinter and its principal of action. General knowledge of its principal parts.

4. Testing of Lines and Cables and details of apparatus employed for such tests.

5. Power arrangements for Telegraph and Telephone offices. Use of Motor Generators, Rectifiers, charging Boards. Primary Cells and Accumulator.

6. Elementary Principles of Construction of Telegraph Lines—Description of Underground and Underwater Cables. How they are manufactured and laid.

B—TELEPHONY

1. *Manual system*—General principles of Magnetic Semi-Central Battery, and Central Battery systems of working. Details of Exchange and Sub-office apparatus, and their circuit diagrams including. Private Branch office equipments. Protective devices in Exchange and sub-office and at Cable and Line Terminals. Details of Party Line working with Selective ringing.

2. *Automatic System*—General principle of well known systems of Automatic Exchanges Schematic Circuit diagrams of principal Exchange equipment. Automatic branch Exchanges. Details of Subscribers, Apparatus for the above systems.

3. *Telephone Transmissions*—Principles of Transposition of Telephone Circuits. Prevention of Inductive interference on Telephone Circuit. Characteristics of Telephone Circuits. Impedence of Telephone Circuits, and its measurement. Attenuation and Wave Length Constants, Decibel and Neper Mile Standard Cable Transmission loss measurement. Wave filter Carrier Current Working Telephone Repeater.

Thermionic Valves and their use in Telephony.

C—RADIO TELEGRAPHY AND TELEPHONY

1. General details of Oscillatory Circuits. Natural Frequency and Wave-length. Logarithmic decrement. Forced Oscillation.

Long Wave and Short Wave Radio working. Points of difference between the two systems.

Various methods of Reception and Transmission of Electromagnetic waves. Different types of detectors and their adjuncts.

Thermionic valves as used on Wireless Telegraphy and Wireless Telephony. Valves as Detectors. Amplifiers, Rectifiers, Modulators and Oscillation Generators. Details of Transmitting and Receiving Circuits Radiation of Electro Magnetic Waves. Atmospheric effects Fading. Power plant for Wireless offices. Elementary principle of design of Aerials and Earths for Long and Short wave systems. Directional Transmission and Reception.

14. MECHANICAL ENGINEERING

Theory of Machines and Machine Design

Kinematics—Method of determining the relative velocities of parts in machines, by calculation and by graphic methods Velocity and acceleration, diagrams for the ordinary reciprocating engine and for quick return motions. Velocity ratios for toothed gearing including epicyclic gears. Velocity and acceleration in cam gears.

Kinetics—Balancing of motors and of reciprocating engines Crank effort diagram of engines and speed variation of fly wheels. Governors. Simple causes of vibration problem Whirling of shafts and torsional oscillations.

Friction—Power transmitted or absorbed by belt drives and brakes. Friction in gearings. Friction and lubrication of journal and thrust bearings, ball and roller bearings. Screw gears.

Design of fastenings and Machine Parts. Proportions for rivetted, bolted and welded points and fastening, pipe connections—cranks, rods and levers, valves, pipes and cylinders bearings, coupling, shafts and keyways. Tooth profile.

Properties and Strength of Materials

Stress and strain tension compression, and shear.

Hooke's law. Relations between elastic constants.

Simple cases of combined stress in two dimensions. Circle diagram.

Compound bars in tension and compression. Elementary consideration of stress due to temperature changes.

Rivetted and welded joints.

Thin cylindrical and spherical shells under internal pressure.

Stresses in thick-walled cylinders under internal and external pressure.

Bending moments and shearing forces.

Simple theory of beams.

Slope and deflection of cantilevers and freely supported beams for simple cases of loading.

Torsion of round bars. Transmission of power by shafts.

Simple cases of combined bending and direct stress, and combined bending and torsion.

Work done in elastic deformation. Strain energy, Stresses due to suddenly applied loads.

Laminated springs and close coiled helical springs.

Elementary theory of strut with use of empirical formulae.

The mechanical properties of materials. Composition and properties of the important metals used by engineers. Effect of heat treatment, annealing, and normalising. The effect of cold work on the properties of metals. Elasticity, plasticity, ductility, tenacity, hardness resistance to shock, resistance to repeated and alternating stress. Creep and elevated temperatures. Common types of machine and instruments for the investigation of mechanical properties. Forms of specimen, procedure in carrying out tests, and methods of expressing results.

Heat Engines

Physical properties of steam; steam tables and their use. Fundamental laws of thermodynamics. Reversible and irreversible process. Ideal and actual cycles. Construction and use of temperature-entropy and heat-entropy charts.

Behaviour of steam in engine cylinders. Jacketing Super heating. Compounding Horse power and steam consumption.

Testing of engines, Indicators and indicator diagrams. Combination of indicator diagrams for multiple expansion engines. Brake and Brake horse-power. Mechanical and thermal efficiencies. Steam consumption and heat balance for steam plants. The steam turbine. Steam flow in nozzles and blading. Calculations relating to blading and horse-power. Steam cycles in modern power plants. Regenerative feed heating and steam reheating cycles. Condensing plants; Jet and surface condensers. Air pumps. Air ejectors. Condensate extraction pumps. Fuels. Combustion: air supply and regulation. Analysis of fluid gases. Boilers, Super-heaters. Economisers. Air preheaters. Furnaces, Boiler trials. Valve. Valve gear and valve diagrams. Governing. Crank effort diagrams. Flywheels. Balancing of engines.

The laws of perfect gases. Expansion and compression. Ideal cycles applicable to the internal combustion engine, and their representation by pressure volume and entropy temperature diagrams. Air standard efficiencies. Comparison of actual and ideal efficiency.

General properties of liquid and gaseous fuels. Calorific value and its determination. Combustion. Calculation of air-fuel ratios. Use of exhaust gas analysis. Volumetric efficiency. Gas producer.

The classification and cycles of operation of gas engines, petrol engines and heavy oil engines. Character of combustion process.

The general construction of internal combustion engines. Carburettors. Electrical ignition systems. Fuel pumps and injection systems. Governors and fuel control. Super-charges.

The mechanics of internal combustion engine-speed fluctuation-Balancing.

The testing of internal combustion engines. Apparatus and procedure. Indicators. Characteristics of Indicator diagrams. Fuel consumption and heat distribution. Engine losses. The representation and interpretation of test results.

Hydraulics and Hydraulic Machinery

Pressure of water at a point. Centre of pressure. Pressure on a surface. Flow of water through orifices, notches, and weirs. Laws of fluid friction. Steady flow in pipes and uniform channels. General phenomena of flow in rivers. Gauging of flow in pipes and open channels. Dynamical similarity. Impact of jets on plane. Types of turbines. General principles of design of turbines. Governing of turbines; types of pumping machinery. General principles of design of centrifugal pumps. Hydraulic cranes and hoists. Hydraulic transmission gear. General principles of hydraulic transmission of power.

15. ARCHITECTURE AND TOWN PLANNING

A. ARCHITECTURE

1. History of Architecture—

Western: The chief periods and styles from ancient Greek to modern.

India: Buddhist, Early Hindu, Muslim and Modern.

2. Theory of Architecture—

General principles, Elements of composition, Accommodation and circulation. Balance and proportion. Function. Harmony and Contract Style.

3. Architectural Construction—

Drainage. Foundations. Materials Walls Roofing beams, arches and vaults-minor, elements-decoration. Plumbing, heating, ventilating, lighting, acoustics, sanitation colour.

4. Quantities Estimates, Contracts, Laws—

B. TOWN-PLANNING

1. *History of Town Planning*—Ancient, mediaeval and modern. Effects of social changes.

2. *Practice*—Surveys, General Principles, sites climate, water supply drainage, transport, Zoning focal centres and their distribution. Highways, Public service and amenities Uniformity and variety.

3. *Laws*—Authorities-Contracts, local special Byo-laws. Acquisition of land.

16. THEORY OF MACHINES AND MACHINE DESIGN

Kinematics—Methods of determining the relative velocities of parts in machines, by calculation and by graphic methods. Simple cases of acceleration diagrams.

Cams—Harmonic, constant-velocity and constant acceleration types; displacement, velocity and acceleration of follower.

Gears Gearing—Theory of shape and action of teeth; simple compound and epicyclic trains, Worm gears. Strength and durability of teeth, Engine turning moment diagrams fly wheels; governors.

Balancing—Rotating parts, primary balancing of reciprocating parts, including locomotive balancing and secondary balancing of 'in line' engines.

Vibrations—Body with single degree of freedom; torsional oscillations of shafts with attached masses. Whirling of shafts.

Gyroscope—Theory and action. Tractive effort and performance curves for vehicles. Friction and Lubrication, Dry friction; friction circle, friction clutches, screws, collar friction. Belt and rope drives.

Analysis of forces in simple mechanisms. Design of parts subjects to pure bending or pure torsion e.g., pin connections; levers; shafting, springs, Simple clutches and flexible joints in shafting.

Design of parts subjected to combined bending, torsion and direct stress, e.g., cranked members, eccentrically loaded connections (bolted and rivetted).

Design involving applications of kinematics *e.g.*, gears and gear wheels; nut and screw mechanisms; cams; lubrication; design of bearings for given loads; use of ball and roller journal and thrust bearings; influence on design of fatigue and stress concentrations.

Design of belts, ropes, pulleys, flywheels, thin and thick pipes.

NOTE—Candidates will be expected to show competency in making dimensioned hand sketches in good proportion. Drawing instruments may be used.

17. METALLURGY

Elementary consideration of the structure of metals. Crystals, grains, grain boundaries; Construction and interpretation of thermal equilibrium diagrams.

Structure of alloys; eutectics; solid solutions, intermetallic compounds critical points in straight carbon steel.

Mechanical properties and their assessment. Standard methods of testing elementary effects of mechanical work on structure and physical properties. Fatigue. Creep. Corrosion. Plastic properties.

Iron and Steel—

Methods of manufacture; brief outline of pig iron manufacture. The different types of pig iron and their uses; Bessemer, basic foundry cold-blast. Wrought iron. Steel-making regarded as a chemical process. Outline of crucible, Bessemer, open-hearth, and electrical furnace practice. Relationship between process and manufacture and specific properties.

Effects of common elements of carbon steel. British Standard specification for plain carbon steels. Structure of steel ingots as cast. Effects of hot and cold deformation on the structure and mechanical properties of steel. Effects of alloy elements. The common alloy steels. High-speed steels. Classification of straight-carbon and alloy steels according to their uses.

Cast iron—Malleable cast iron. Moulding Influence of design and section thickness on the structure of iron and steel castings.

Machinability of ferrous metals as affected by composition and treatment.

Non-ferrous metals—

A study of the uses, physical, and mechanical properties of the principal non-ferrous alloys of industrial importance, with special reference to standard specifications. Hot and cold working. Alloys suitable for diecasting. Bearing metals. Relationship between structure and duty.

Heat Treatment of Metals.

General industrial pyrometry.

Normalizing, annealing, quenching, and tempering of plain carbon steels—effects of microstructure and mechanical properties. Case-hardening and nitriding. Temper-brittleness, stress effect, strain-ageing.

Grain, growth and recrystallisation ageing.

Heat treatment plan and equipment.

Technology of Working Processes—

(a) Hot stamping and forging. Variation in procedure for different materials. Effect on physical properties and structure. Flow of metal during process. Correct and incorrect fibre direction; avoidance of neck-section.

(b) Press work. Suitability of materials. Drawing operations of varying depths and metal flow. Interstage annealing. Material inspection at various stages.

(c) Welding. The effect of electric arc and oxyacetylene processes on materials. Electrodes and fluxes. Structure of welds. Inspection of welds.

(d) Extrusion. Materials available. Type of work possible.

18. WORKSHOP TECHNOLOGY

Material—The composition, physical property and engineering uses of the more common metals, their alloys such as cast iron. Malleable iron. mild steel, medium carbon steel, phosphor bronze and light alloys etc.

Tool steels, carbon and high-speed steels and their suitability for different kinds of tools.

Heat-Treatment The relation between the heat treatment and the physical property of plain carbon steels.

The effect of Carbon—Critical temperatures. Hardening, tempering, annealing, normalizing and case hardening. Types of furnaces. Temperature measurement and Control. Quenching media.

Manufacturing Process—An outline of the preparatory processes for forming materials *e.g.*, moulding and casting forgings, drop stamping, rolling and drawing metal bars. Bending, drawing, pressing and extruding; brazing and soldering welding by Arc, and welding and cutting by acetylene gas blow pipe flame.

Measuring, Gauging and Inspection—General Principle of interchangeable production and limit gauging.

Standards—Systems of limits and fits for plain and screwed work. Tolerances limits; clearance, interference. Tolerances associated with different machining operation.

Type of Limit Gauges—Advantages of adjustable gauges.

Measuring equipment—Use of surface of plates, squares, micrometers, vernier, calipers and height gauges, dial gauges, rules protractors. Conversion factor. Standard workshop gauges, their accuracies and uses.

Cutting Tools—Cutting action of tools such as hand tools, lathe tools, drills, reamers, milling cutters, dies, taps etc. Angles of tools for cutting different materials and purposes. Measurement of tool angles. Cutting speeds and feeds. Estimating machining times.

Machine Tools—Fundamental principles in the production of machine surfaces. Principal features of construction and function of general purpose machines such as lathes, sensitive drills, radial and vertical drilling machines, shaping, slotting, planning and boring machines; plan milling machine, capstan and turret lathes grinding and lapping machines.

Lubrication—Types and uses of cutting solutions. Selection and methods of application.

Operation Planning—Planning the operation layout for production and estimation of floor to floor times for machined parts.

19. WORKSHOP ORGANISATION AND MANAGEMENT

Factory Organisation—Essentials for a sound system of works organisation. Division of managerial duties. Cost Section, Administrative Division. Technical Division. Works Manager's departments.

Place of the Foreman in Works Organisation—Choice of Foreman; duties of foreman; maintenance of discipline, supervision and instructions. Attitude towards workers, care of materials, tools and equipment analytical study of machine-men and methods; records maintenance; bonus to foreman.

Workers and working conditions—The problem of incentives, fair and adequate wages, satisfactory working conditions, fair and sympathetic treatment. Suggestions from employees; day wage system; piece work system; premium or bonus system; profit sharing scheme; what is a fair day's wage; higher wages must result in greater output. Problem of factory discipline; proper time keeping; check on absenteeism; check on loitering, Workers rules and regulations. Efficiency records. Works Committee. Duties and responsibilities of employers and labour. Labour relations.

Store Organisation—Functions of the Stores Department. Efficient handling and control of stores Material issue requisitions; record of material issued. Bin cards; Stores record cards. Duties of Stores Accountants; materials returned from job; Advantages of good store keeping and store recording.

Labour Organisation—Training of employees; recording of time and performance; time recording metal discs; mechanical time recorder; job cards, piece work cards; piece work rules; overtime slips; pass out slips; preparation of wages sheets and payment of wages for overtime; transfer from one department to another; fines; Works Committees.

Method of remunerating Labour—Time and day rate system; piece work method; combination of day rate and piece work; bonus methods; high wage plan; collective bonus plans; profit sharing scheme; essential factors for wages as an incentive to efficiency.

Production Organisation—The Works Planning Department and Progress Department; estimating department; inspection departments and duties of inspection department Budget control; statistical reports; standardisation and mass production; internal transport; tool service, maintenance service, drawing and design service.

Labour Welfare—Labour welfare activities; hours of work and adequate wages; accident, safety protection; shops cleanliness and sanitation; lighting and ventilation; factory discontent; transport to and from factory; educational facilities; canteen and mess facilities; medical aid; amenities for sports and games; works library.

Maintenance of rigid discipline—

Cost Accounting and Cost Control—Main elements of costs material and labour expenses; item usually included in work on cost; office on cost; duties of the cost office; ascertaining of prime cost of articles; methods of record and internal check, work orders; stock orders; pending orders, charging direct materials cost; materials issue requisitions; return of materials to stores; transfer of materials from one job to another; material issue, wages etc. detailed consideration of on-cost items. Allocation and distribution of expenses; method of recording works expenses in cost and cost records.

APPENDIX III

FEES

Candidates seeking admission to the examination must pay the following fees;

(a) To the Commission:

(i) Rs. 1.00 nP. when asking for application form and connected documents.

This amount should be paid to the Commission by Money Order. Local candidates, however, may pay cash at the counter. The Commission will not accept payment made otherwise.

(ii) Rs. 81.50 nP. (Rs. 19.62 nP. in the case of candidates belonging to Scheduled Castes and Scheduled Tribes) with the completed application form.

This amount should be paid by means of Treasury Receipt or CROSSED Indian Postal Orders payable to Secretary, Union Public Service Commission. The Commission will not accept payment made otherwise.

(b) To the Medical Board:

Rs. 16.00 nP. before examination by a Medical Board, if declared qualified for the Personality Test.

This amount should be paid in cash to the Medical Board through the General Manager of the Railway concerned at the time of the Medical examination.

2. Once an application has been considered by the Commission and the decision communicated to the candidate, no claim from the candidate for a refund of the fee paid by him to the Commission will be entertained nor can this fee be held in reserve for any other examination or selection. If, however, a candidate is not admitted to the examination

by the Commission, a refund of Rs. 75.00 nP. (Rs. 18.75 nP. in the case of candidates belonging to Scheduled Castes and Scheduled Tribes) will be made to him.

3. The Commission may at their discretion remit the prescribed fee where they are satisfied that the applicant is a *bona fide* displaced person from Pakistan and is not in a position to pay the prescribed fee. The fee of Re. 1.00 nP. however, must be paid even by a displaced person when asking the Commission for a form and this amount will be refundable to him if, on receipt of this application, his claim to be a displaced person is accepted by the Commission and his fee is remitted.

ANNEXURE III

Brief particulars relating to the Services/Posts, to which recruitment is being made on the results of this examination.

1. **Indian Railway Service of Engineers, the Electrical Engineering Department of the Superior Revenue Establishment of the Indian Railways, the Signal Engineering Department of the Superior Revenue Establishment of the Indian Railways and the Mechanical Engineering and Transportation (Power) Department of the Superior Revenue Establishment of the Indian Railways**—

(1) Appointments will be on probation for a period of three years during which the service of the officers will be liable to termination by three months' notice on either side. Probationary Officers will be required to undergo practical training for the first two years. Those who complete this training successfully and are otherwise considered suitable will be placed in charge of a working post, provided they have passed the prescribed departmental and other examinations. It must be noted that these examinations should as a rule, be passed at the first chance and that save under exceptional circumstances, a second chance will not be allowed. Failure to pass any of the examinations may result in the termination of the service and will in any case involve stoppage of increments.

At the end of one year in a working post, the probationary officers will be required to pass a final examination, both practical and theoretical, and will, as a rule, be confirmed if they are considered fit for appointment in all respects. In cases where the probationary period is extended for any reason, the drawal of the first and subsequent increments on their passing the departmental examinations, and on being confirmed, will be subject to the rules and orders in force from time to time.

On appointment a probationer shall execute an agreement binding himself and one surety jointly and severally to refund in the event of his failing to complete the probation to the satisfaction of the Central Government any moneys paid to him consequent on his appointment as Probationer.

If for any reasons not beyond his control, a probationer wishes to withdraw from training or probation, he will be liable to refund the whole cost of his training and any other money paid to him during the period of his probation.

NOTE (i)—The period of training and the period of probation against a working post may be modified at the discretion of Government. If the period of training is extended in any case due to the training not having been completed satisfactorily, the total period of probation will be correspondingly extended.

NOTE (ii)—Probationers will also have to undergo training at the Railway Staff College, Baroda. The fact test in the Staff College is compulsory and a second chance in the event of failure, will not be given except in exceptional circumstances and provided the record of the Officer is such that such a relaxation may be made. Failure to pass the test may involve the termination of service and in any case the officers will not be confirmed till they pass the tests, their period of training and/or probation being extended as necessary.

NOTE (iii)—In the Signal Engineering Department, on Railways where there are specialised Tele-Communications posts an additional training for a period of six months in Tele-Communications may be arranged in any particular cases.

(2) (a) Probationers will not be permitted to apply for appointment elsewhere or appear for examination or selection for recruitment to other services.

(b) In cases where Probationers have already appeared at the Combined Competitive Examinations prior to their allotment to the Railway Service and qualify for appointment to services other than the Railway Services, the question of their release from Railway Service will be considered only when they are prepared to refund in cash the cost of the training and other moneys paid to them during the period of their probation before they are actually relieved.

(3) Probationers should have already passed or should pass during the period of probation an examination in Hindi in the Dev Nagri script of an approved standard. This examination may be the "PRAVEEN" Hindi Examination which is conducted by the Delhi Board of Higher Secondary Education or one of the equivalent Examinations recognised by the Central Government.

No probationary officer can be confirmed or his pay in the time scale raised to Rs. 450 per month unless he fulfils this requirement, and failure to do so will involve liability to termination of service. No exemption can be granted.

(4) Officers recruited under these rules:—

(a) will be eligible to pensionary benefits and

(b) shall subscribe to the State Railway (non-contributory Provident Fund under the Rules of that Fund.

as applicable to railway servants.

(5) Pay will commence from the date of joining service. Service for increments will also count from the same date. Particulars as to pay are contained in sub-para (9).

(6) Officers recruited under these rules shall be eligible for leave in accordance with the rules for the time being in force as applicable to officers of Indian Railways. The Leave Rules are, however, liable to revision in the light of the Pay Commission's recommendations. They will not be permitted to retain the present leave Rules, if so decided by the Government.

(7) Officers will ordinarily be employed throughout their service on the Railway to which they may be posted on first appointment and will have no claim, as a matter of right, to transfer to some other Railway. But the Government reserve the right to transfer such officers, in the exigencies of service, to any other Railway or project in or out of India. Officers will be liable to serve in the Stores Department of Indian Railways if and when called upon to do so.

(8) The relative seniority of officers appointed under these rules will ordinarily be determined by their order of merit in the competitive examination. The Government of India, however, reserve the right of fixing seniority at their discretion in individual cases. They also reserve the right of assigning to officers appointed otherwise than by a competitive examination positions in the seniority list at their discretion.

NOTE—If the period of training and consequently the period of probation is extended in any particular case due to the training not having been completed satisfactorily, the officer concerned is liable to lose in seniority.

(9) The following are the rates of pay admissible—

Junior Scale : Rs. 400—400—450—30—600—35—670—EB—35—950.

Senior Scale : Rs. 700—(6th year and under)—40—1,100—50/2—1,250.

Junior administrative Grade : Rs. 1,300—60—1,600.

Senior Administrative Grade :	
Indian Railway service of	} Rs. 1,800—100—2,000
Engineers and Mechanical	
Engineering and Transportation	} —125—2,250.
(Power) Department.	
Signal Engineering Department and Electrical Engineering Department.	} Rs. 1,800—100—2,000.

NOTE (i)—The scale of pay for the Junior Administrative Grade and Senior Administrative Grade as given above are, however, under reconsideration and are liable to revision.

NOTE (ii)—Probationary Officers will start on the minimum of the junior scale and will count their service for increment from the date of joining. They will, however, be required to pass any departmental examination or examinations that may be prescribed before their pay can be raised from Rs. 400 to Rs. 450 P.M. in the time scale.

Increment from Rs. 400 to Rs. 450 will not be granted if they fail to pass the Departmental examination within the first two years of the training and probationary period. In cases where the training period has to be extended for failing to pass all the Departmental Examinations within the stipulated period, on their passing the departmental examinations after expiry of the extended period of training their pay from the date following that on which the last examination ends, will be fixed at the stage in the time scale which they would have otherwise attained but no arrears of pay would be allowed to them. In such cases the date of future increments will not be affected.

The increments from Rs. 400 to Rs. 450 and from Rs. 450 to Rs. 480 may, however, be granted in advance during the period of probation, if the probationary officer passes the first and second departmental examinations respectively in accordance with extant instructions.

NOTE (iii)—In the case of persons already in Government Service, their pay on appointment as probationer will be fixed in accordance with the rule and regulations in force from time to time.

(10) The increments will be given subject to sub-para. to Note (ii) under sub-para. (9) above, for approved service only, and in accordance with the rules of the Department.

(11) Promotions to the administrative grades are dependent on the occurrence of vacancies in the sanctioned establishment and are made wholly by selection, mere seniority does not confer any claim for such promotion.

(12) In all matters not specifically provided for herein, the probationary officers will be governed by the provisions of the Indian Railway Codes as amended from time to time and other orders in force issued by competent authorities.

2. Central Engineering Service, Class I, Central Engineering Service, Class II (permanent), Central Electrical Engineering Service Class I and Central Electrical Engineering Service Class II (permanent)—

(a) The selected candidates will be appointed on probation for two years. On completion of the period of probation, if they have passed the prescribed departmental examinations and are considered fit for permanent appointment, they will be confirmed in their appointments. Government may extend the period of probation of two years.

If on the expiration of the period of probation or of any extension thereof, Government are of opinion that the officer is not fit for permanent employment or if at any time during such period of probation or extension, they are satisfied that the officer will not be fit for permanent appointment on the expiration of such period or extension, they may discharge the officer or pass such order as they think fit.

Probationers will also be required to pass a test in Hindi before confirmation.

(b) The following are the rates of pay admissible.

Central Engineering Service, Class I and Central Electrical Engineering Service, Class I—

Junior Scale : Rs. 400—400—450—30—600—35—670—EB—35—980.

Senior Scale : Rs. 700—40—1,100—50/2—1,250.

Administrative (Selection) Posts :

Superintending Engineers : Rs. 1,300—60—1,600—100—1,800.

Additional Chief Engineers : Rs. 2,000 fixed (For Central Engineering Service, Class I only).

Chief Engineer : Rs. 2,250 fixed. (For Central Engineering Service, Class I only).

Central Engineering Service, Class II and Central Electrical Engineering Service, Class II—

Rs. 350—25—500—30—590—EB—30—800—EB—30—830—35—900.

3. Indian Inspection Service and Indian Supply Service—

(a) Selected candidates will be appointed on probation for a period of two years. On completion of the period of probation, the officers if considered fit for permanent appointment will be confirmed in their appointments subject to availability of permanent posts. The Government may extend the period of two years of probation.

If on the expiration of the period of probation or any extension thereof, the Government are of the opinion that an officer is not fit for permanent employment, or if at any time during such period of probation or extension thereof, they are satisfied that any officer will not be fit for permanent appointment on the expiration of such period or extension they may discharge the officer or pass such order as they think fit.

The officers will also be required to pass a prescribed test in Hindi before confirmation.

(b) The following are the rates of pay admissible—

Grade III—Junior Class I Scale : Rs. 400—400—450—30—600—35—670—EB—35—950.

Grade II—Senior Class I Scale : Rs. 700—40—1100—50/2—1250.

Grade I—Administrative Selection Posts : Rs. 1300—60—1600.

Super time-scale posts—

(a) Rs. 1800—100—2000.

(b) Rs. 2250 (For Indian Supply Service only).

4. Indian Ordnance Factories Service, Class I—

(a) Selected candidates will be appointed as Assistant Managers (Probationers). The period of probation will be three years. The period of probation may be reduced or extended by the Government on the recommendation of the Director General, Ordnance Factories. An Assistant Manager (Probationer) will undergo such practical training as shall be provided by Government and may be required to pass such departmental and language tests as Government may prescribe. The language tests will include a test in Hindi.

On the conclusion of his period of probation, Government will confirm the officer in his appointment. If, however, during or at the end of the period of probation his work or conduct has in the opinion of Government been unsatisfactory, Government may either discharge him or extend his period of probation for such period as Government may think fit.

(b) The following are the rates of pay admissible :—

Assistant Manager/Technical Staff Junior Scale : Rs. 400—400—450—30—600—35—670—EB—35—950.
Officer

Deputy Manager/Deputy Assistant Director General Ordnance Factories Senior : Scale Rs. 700—40—1100—50/2—1250.

Manager/Senior Deputy Assistant Director General, Ordnance Factories Rs. 1100—50—1400.

Deputy General Manager/General Manager, Grade II/Assistant Director General Ordnance Factories, Gr. II Rs. 1300—60—1600.

General Manager, Grade I/Assistant Director General, Ordnance Factories, Gr. I. Rs. 1600—100—1800.

General Manager (Selection Grade)/Deputy Director General; Ordnance Factories Rs. 1800—100—2000.

Additional Director General, Ordnance Factories Rs. 2250—125—2500.

Director General, Ordnance Factories Not yet fixed.

5. Telegraph Engineering Service, Class I—

(a) Appointments will be made on probation for a period of two years. If, in the opinion of Government, the work or conduct of an officer on probation is unsatisfactory, or shows that he is unlikely to become efficient, Government may discharge him forthwith. On the conclusion of his period of probation, Government may confirm the officer in his appointment if permanent vacancies are available or if his work or conduct has in the opinion of the Government been unsatisfactory, Government may either discharge him from the service or may extend his period of probation for such further period as the Government may think fit.

Officers will be required to pass any departmental examination or examinations that may be prescribed during the period of probation. They will also be required to pass a test in Hindi before confirmation.

(b) Officers will also be required to pass professional and language tests.

(c) The following are the rates of pay admissible:

Junior Scale : Rs. 400—400—450—30—600—35—670—E.B.—35—950.

Senior Scale : Rs. 700—40—1100—50/2—1250.

Junior Administrative Grade : Rs. 1300—60—1600.

Senior Administrative Grade : Rs. 1800—100—2000.

Member (P & T Board) : Rs. 2,250.

6. Central Engineering Service (Roads), Class I—

(a) The selected candidates will be appointed as Assistant Engineer Consultant on probation for two years. On the completion of the period of probation, if they are considered fit for permanent appointment, they will be confirmed as Assistant Engineer Consultant if permanent vacancies are available. The Government may extend the period of probation of two years.

If on the expiration of the period of probation or of any extension thereof, Government are of the opinion that an Assistant Engineer Consultant is not fit for permanent employment or if at any time during such period of probation or extension they are satisfied that an Assistant Engineer Consultant will not be fit for permanent appointment on the expiration of such period or extension; they may discharge the Assistant Engineer Consultant or pass such order as they think fit.

The officers will also be required to pass a test in Hindi before confirmation.

(b) The following are the rates of pay admissible:

Junior Class I posts (Assistant Engineer Consultant)—Rs. 400—400—450—30—600—35—670—EB—35—950.

Senior Class I (Selection) Post (Divisional Engineer Consultant)—Rs. 700—40—1100—50/2—1250.

Administrative (Selection) Class I Posts :

Planning Officer—Rs. 1300—60—1600.

Deputy Bridges Officer—Rs. 1300—60—1600.

Deputy Standards Officer—Rs. 1300—60—1600.

Deputy Materials and Plant Officer—Rs. 1300—60—1600.

Senior Planning Officer—Rs. 1600—100—1800.

Deputy Consulting Engineer (Roads)—Rs. 1600—100—1800.

(Posts carrying the same scales of pay are inter-changeable except that of Deputy Materials and Plant Officer).

Higher Administrative (Selection) Class I Posts:

Additional Consulting Engineer Bridges—Rs. 1800—100—2000.

Additional Consulting Engineer (Roads)—Rs. 1800—100—2000.

Consulting Engineer (Road Development)—The prescribed scale for the post is under consideration.

7. Posts of Assistant Drilling Engineer, Class I—

Persons recruited to the posts of Assistant Drilling Engineer in the Geological Survey of India/Indian Bureau of Mines will be on probation for a period of 2 years which may be extended at the discretion of the Government and they will receive pay in the time scale of Rs. 400—400—450—30—600—35—670—EB—35—950, (Revised). On completion of the probationary period, if they are considered fit for permanent appointment, they will be considered for confirmation according to rules as Assistant Drilling Engineer subject to the availability of substantive vacancies.

The field of promotion to the following posts exists in the Geological Survey of India/Indian Bureau of Mines in the case of persons found fit according to the rules and instructions in the following order—

POSTS	SCALES OF PAY
	Rs.
(i) Deputy Drilling Engineer ..	700—40—1100—50/2—1250.
(ii) Drilling Engineer ..	1300—60—1600
(iii) Chief Drilling Engineer—	
(a) Geological Survey of India ..	1600—100—1800
(b) Indian Bureau of Mines ..	1600—100—2000

The officers recruited to the Geological Survey of India/Indian Bureau of Mines will be required to serve anywhere in India or outside the country.

8. Posts of Assistant Director/Assistant Executive Engineer/Research Officer—

Persons recruited to the posts of Assistant Director/Assistant Executive Engineer/Research Officer in Central Water and Power Commission shall be on probation for a period of two years.

The scales of pay for Class I engineering posts in Central Water and Power Commission are as follows :—

Civil Posts

	Rs.
1. Assistant Director/Assistant Executive Engineer/Research Officer.	400—400—450—30—600—35—370—EB—35—950.
2. Deputy Director/Executive Engineer.	700—40—1100—50/2—1250.
3. Superintending Engineer/Director (ordy. Grade).	1300—60—1600—100—1800.
4. Director (Selection Grade)	1800—100—2000.
5. Chief Engineer	2,000 (fixed).

Electrical & Mechanical Posts

	Rs.
1. Assistant Director/Assistant Executive Engineer/Research Officer	400—400—450—30—600—35—670—EB—35—950.
2. Deputy Director/Executive Engineer.	700—40—1100—50/2—1250.
3. Superintending Engineer/Director (ordy. Grade)	1300—60—1600—100—1800.
4. Director (Selection Grade) (for Electrical posts only)	1800—100—2000.
5. Deputy Chief Engineer ..	1800—100—2000.
6. Chief Engineer ..	2000 (fixed).

9. Other permanent/temporary posts carrying generally the following scales of pay:—

(i) Rs. 400—950.

(ii) Rs. 350—900.

A. GNANAOLIVU

Under Secretary

Union Public Service Commission